DENON

Hi-Fi AM-FM Stereo Reciever

SERVICE MANUAL

For EUROPEAN And U.K Models

MODEL DRA-565RD MODEL DRA-365RD

AM-FM STEREO RECIEVER









DRA-565RD

DRA-365RD

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CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER (OR BACK), NO USER SERVICE-ABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

DENON Electronic GmbH Helskestraße 32

Erstärt als Hersteller/Importeut, daß das in dieser Bedienungsanleitung beschriebene Gerät den Tachnischen Vorschriften für Ton- und Fernseh-Rundfunkempfänger nach der Amtablativerlügung 866/1999 (Amtablatt des Bundesministers für Prost und Telekommunitation vom 31. 8.

PRECAUTIONS FOR INSTALLATION

install DRA-565/36SRD always horizontally. And leave at least 10 cm of space between this unit and other component placed above.

VORKEHRUNGEN FÜR DIE AUF STELLUNG

Der DRA-565/365RD ist stets wasgerecht autzustellen. Außerdem muß ein Mindestabstand von 10 cm zwischen diesem Gerät und der Komponente gewährleistet werden, die darüber gestellt wird.

PRECAUTIONS D'INSTALLATION

Le DRA-565/365RD doit toujours être installé horizontalement. Et laisser au moins un espace de 10 cm entre cet appareil et l'autre composant placé au-dessus.

PRECAUZIONI PER L'INSTALLAZIONE

DRA-565/365RD viene sempre installato in modo orizzontale. Lasciate uno spazio di almeno 10 cm tra quest'unità e un eventuale

PRECAUCIONES PARA LA INSTALACION

instale siempre el DRA-585/365RD en posición horizontal, Asegúrese también de dejar un espacio de por lo menos 10 cm entre esta unidad y el componente que sea colocado encima.

VOORZORGSMAATREGELEN VOOR INSTALLATIE

De DRA-565/365RD altijd horizontaal plaatsen. En minstens 10 cm ruimte laten tussen dit toestel en het andere komponent dat u erboven

FÖRBEREDELBER FÖR INSTALLATION

Installers alltid DRA-565/365RD horisontellt, Lämna åtminstone 10 cm mellan denna apparat och en annan komponent som piaceras

PRECAUÇÕES PARA A INSTALAÇÃO

instale sempre horizontalmente o DRA-565/365RD. E deixe pelo menos 10 cm de espaço entre esta unidade e o outro componente colocado acima.









10 cm ou plus

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- cars.
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- Hanter net networer voormining.
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- energia. Segure a tornada ao desconectar o llo.

- Neep the set has from moisture, water, and duet.
 Halten Sie des Gerär von Fauchdgkeit, Yfasser und Staub fern.
 Protéger l'appareil contre l'humidité, l'eau et la pousaière.
 Tenere l'unità lontene dell'umidité, dell'ac-



- Unplug the power cord when not using the set for long periods of time.

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 Não obstrue oa orribcios de venillaciós.



- Do not let foreign objects in the set
- Keine fremden Gegenstände in das Gerät kommen lassen. Ne pes laisaer des objets étrangers dans l'appareit.

- apperate vellen.
 Se till att fråmmande föremål inte tränger in i apperaten.
 Nåe delse objetos estranhos na aperetho.



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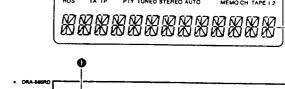
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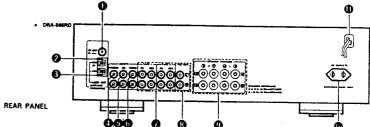
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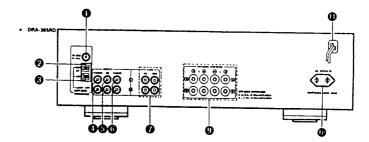
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FRONT PANEL

DISPLAY

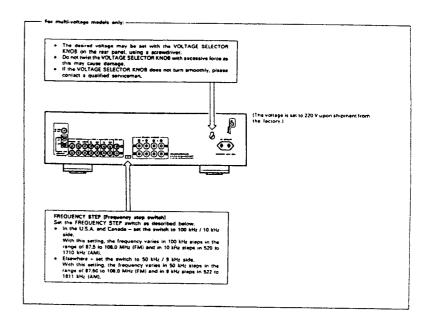






5

Please in the	check the following items are included with the main unit	Por fe	vor varifique que los siguientes artículos son empacados es
(1)			a pero seperados de la unidad principal.
(2)	Operating Instructions	(1)	
(3)	AM Loop Antenna	(2)	Antena AM de cuadro 1
(4)	FM Antenna	(3)	Antena de FM 1
(5)	Remote Control RC-1741	(4)	Unidad de control remoto RC-174
121	Batteries R6 (AA)	(5)	Plies secas R6 (AA)
Bitte é	berprüfen Sie, ob die folgenden Telle vollständig in der	Kontre	pleer of de volgende accessoires bij het hoofdtoestel in de
Verpe	kung enthelten sind:	0004	tiin verpakt:
[1]	Bedienungsanleitung		Gebruikssanwijzing
(2)	AM-Rahmenantenne	(2)	AM-reamentenne
(3)	UKW-Anlenne	(3)	FM-entenne
(4)	Fernbedienungsger RC-174	(4)	Afstandsbediening RC-174
(5)	Trockenzelle-Batterie R6 (AA)	(5)	R8 (AA) droge cel batterij
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(1)	Mode d'emploi1	(1)	
(2)	Antenne-cadre AM	121	Ramantenn för AM-bruk
(3)	Antenne FM 1	(3)	FM-antenn
(4)	Telécommande RC-174	(4)	Fjørrkontroll RC-174
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		(3)	R6 (AA) torrbetteri
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	recchio nella scatola di spediziione.	embel	agem fora de unidade principal:
(1)	Istruzioni per l'uso	(1)	Instruções de operação
(2)	Antenna AM a telaio 1	(2)	Antena de quadro AM
(3)	Antenna FM	(3)	Antena FM
(4)	Telecomando RC-174	(4)	Controla remoto RC-174
(5)	Batteria a secco R6 (AA)2	(5)	Pilhas PR (4 4)
	•	101	Pilhas R6 (AA)



DESIGNATIONS AND FUNCTIONS OF PANEL CONTROLS (Refer to Page 5.) FRONT PANEL

POWER (Power ON-STANDBY/OFF Switch)

This switch turns the unit ON or OFF. There is a delay of approximately 3 seconds before the unit will operate after this power switch is turned ON. If the unit is turned OFF from the remote control, the unit will be in the STANDBY mode. When in the STANDBY mode, the unit can be turned ON with the power button on the remote control, if the unit will not be used for extended period, be sure to turn the unit OFF from the front panel power switch.

NOTE: This unit includes a STANDBY protection feature.

This feature is designed to prevent accidental turn-on from the STANDBY mode in the event of a power failure. Should AC power be disconnected and then reconnected when the unit is in STANDBY mode, the unit will return to the STANDBY mode

To turn the unit ON from the STANDBY mode without the remote control, operate the front panel power switch four times. The unit will then operate normally

PHONES (Headphones jack)

Connect a pair of headphones (sold separately) to this jack for private listening.

SPEAKERS (Speaker selector switches)

These switches are used to select speaker system A and R No sound is heard through the speakers when both witches are reset to the (A) position

REMOTE SENSOR (Remote control sensor)

This sensor receives the infra-red light transmitted from the wireless remote control unit. For remote control, point the wireless remote control unit lowards the sensor.

BASS (Bass control)

Use this control to adjust the low-range response. When the control is set to the center position, the frequency characteristic curve (below 1,000 Hz) is flat. Turn the control clockwise to increase the bass response and counter clockwise to decrease it.

TREBLE (Treble control)

Use this control to adjust the high-range response. When the control is set to the center posit characteristic curve (above 1,000 Hz) is flat. Turn the control clockwise to increase the treble reaponse and counter clockwise to decrease it.

BALANCE (Balance control)

Use this control to balance the volume levels between left and right channels. The volume levels in both channels are equal when the control is set to the center position.

VARIABLE LOUDNESS (Loudness control)

At low volumes, the human ser is less sensitive to low (BASS) and high (TREBLE) frequencies. Use this control to compensate for this deficiency when listening at low volume levels. Turn this control counter-clocks natural balance of bass and trable sound has been restored

BASS EQ (DRA-565RD only)

Press this button to switch the BASS EQ ON (-) for emphasis of bass sounds.

Use in conjunction with the bass adjustment of the tone control will provide further emphasis of bass sounds. Set this switch to OFF (m.) when you wish to listen with a normal setting condition.

VOLUME (Volume control)

This knob is used to adjust the volume level of both

Turn the knob clockwise to raise the volume and counterclockwise to lower it.

0 Input selector (Input selector buttons)

- These buttons are used to select the sudio input source. PHONO: Press to play a record on a record player connected to the PHONO input lacks.
- Press to listen to a compact disc player or another component connected to the CD input
- . TUNER: Press to listen to FM or AM programs VIDEO: Use when playing back the audio from a HI-Fi
- video, video disc player or other component connected to the VIDEO terminal.

Tape selector (Tape selector/monitor buttons) (DRA-565RD)

TAPE-1: Press this button once, TAPE-1 indicator will fight up and then you can play tape source on TAPE-1

In this state you can copy TAPE-1 source to TAPE-2 TAPE-2: Press this button once, TAPE-2 indicator will

light up and then you can play tape or video source of TAPE-2 terminal, Press again the button currently accessed to play

sources selected by input selector . indicator goes out.

TAPE (Tape monitor button) (DRA-365RD) Press this button once, TAPE indicator will light up and

then you can play tape source on the TAPE terminal. Press again the button currently accessed, to play sources selected by input selector , indicator goes out.

RDS button

This button is used for the RDS search (refer to page 12) and PTY search (refer to page 12), and TP search (refer to page 12) operations, and to input the station name (refer to page 12, 131

BAND (Band selector switch)

Press this switch to select the FM or AM (MW) band.

AUTO (Tuning mode button)

This switches between auto and manual tuning. Auto tuning: When the UP button is pressed, the radio is tuned automatically to a higher frequency. Press the DOWN button to tune to a lower frequency. Use this position to eliminate noise when no signals or weak signals are being received. /

Manual tuning: In this position, the radio can be tuned manually. Reception is automatically monaural when in the

TUNING (Tuning buttons)

Use these to change the received frequency to a higher frequency (UP) or a lower frequency (DOWN) When writing station names, use these buttons to select the letters, (Refer to Page 13)

MEMORY (Memory button)

This switch is used to store the desired radio station to a

· Presetting stations

After pressing the MEMORY button, press the SHIFT/ PTY button to select the memory block, A to E. Now use the PRESET UP and DOWN buttons to specify the preset channel number. Press the MEMORY button again to store the station at the specified preset channel

Preset (Preset station buttons)

These buttons are used for storing stations or recalling stations which have been preset. Using the SHIFT buttor you can preset a total of 40 FM or AM stations into preset

Once a radio has been memorized, the same station can later be tuned in instantly simply by recalling the corresponding preset channel with PRESET UP or DOWN button.

DISPLAY

RDS Indicator This lights when receiving RDS broadcasts, and flashes during the RDS search operations.

TA indicator

This lights when receiving traffic announcements.

TP indicator

This flashes during the TP search operation and lights PTY Indicator

This fisshes during the PTY (Programme type) search contration

Ø **TUNED** Indicator

This lights when a station is properly tuned in.

STEREO Indicator This lights when receiving stereo broadcasts, it remains off when receiving AM broadcasts.

AUTO Indicator

This indicates the tuning mode. It lights in the auto mode, and remains off in the manual mode.

- TP (Traffic Programme)
- Stations scheduled to broadcast traffic programmes TA (Traffic Announcement)
 Traffic information broadcasts

FM ANT (FM antenna terminals)

75-ohm coaxial cable can be connected to this terminal. For antenna connecting procedure, see the ANTENNA IN-

GND (Grounding terminal)

The grounding wire of the turntable is connected here. Hum or noise may be generated if the grounding wire is not connected.

AM ANT (AM antenna terminals)

Connect the attached AM loop antenna. (Refer to page 10 or connections). Connect to this terminal when a medium wave outdoor

antenna is used. PHONO (Phono Input terminals)

The output cord of the turntable is connected here. Since the input sensitivity of "PHONO" is extremely high, do not use the unit without the input pin cord. If used without this cord, the speakers may generate hum.

REAR PANEL

The output cord of the CD player is connected here.

0 VIDEO

A VIDEO, such as a VCR or Video Disc may be connected

• TAPE-1, TAPE-2 (Tape deck playback/recording terminal) (DRA-565RD)

Two tape decks or tape deck can be connected to these jacks for full-fledged playback, recording and tape

dubbing operation. TAPE (DRA-36SRD)

Tape decks can be connected for full use including playing or copying.

. SHIFT/PTY button

Use this button to select the memory blocks, A (1 to 8), 8 to 81, C (1 to 8), D (1 to 8) or E (1 to 8) For PTY search, use this button to select the program

When writing station names, use this button to set the writing position.

MEMO indicator

This indicator lights for approximately 10 seconds when the MEMORY button has been pressed and a station can be stored on a PRESET CHANNEL button.

This flashes continuously during the auto memory opera-

0 CH indicator

This lights when the preset channel number and shift mode (A, B, C, D or E) are displayed.

• TAPE-1/TAPE-2 indicator (DRA-565RD)

The TAPE-1 indicator lights when the TAPE-1 source is selected with the tape selector buttons. The TAPE-2 ndicator lights when the TAPE-2 source is selected.

TAPE Indicator (DRA-365RD) The TAPE indicator lights when the TAPE source is selected with the tape selector buttons.

Multi function display

This displays the frequency, station name, programme

@ PRE-OUT (DRA-565RD only)

Output signals for power amplifiers are sent from these

The rated output is 2 volts.

SPEAKER SYSTEMS (Speaker terminals) Two pairs of speakers A and B can be connected to these

AC OUTLET (AC power outlets)

This AC outlet is controlled by the power switch and Remoto controlunit (DRA-565RD), controlled by the power

1 AC CORD (Power cord)

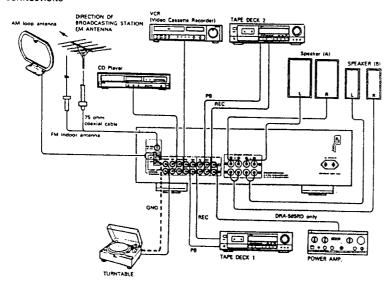
Connect this cord into the wall outlet

CD

- This receiver has a full back-up system. When the power is turned on, the INPUT SELECTOR buttons are set to the last mode set before the power was turned off.
- When using this receiver in close proximity to video equipment (TV, VCR, VDP, etc.), noise may be generated in AM broadcasts. To

avoid this, keep the receiver as far sway from other video components as possible, or place the AM loop antenns where noise is reduced. If the noise is not reduced, turn off the power of the video components when listening to AM brackests.

CONNECTIONS



ANTENNA INSTALLATION

. FM ANTENNA

The supplied indoor FM antenna can be used inside wooden ins supplied moon? I'M antenna can be used inside wooden houses for receiving local FM stations and other strong FM signals. Stretch out the ends of the antenna and mount the antenna on the wall or calling where optimum reception is exhieved. A indeor FM antennas may not consistently ensure stable reception, due to environment changes. In such cases, the indoor FM antenna should only be used temporarily until an outdoor FM antenna should only be used temporarily until an outdoor FM antenna has been installed.

been installed.
When connecting an outdoor FM anienna, the use of 75 ohm coaxial cable (3C-2V, 5C-2V) is strongly recommended.

. AM ANTENNA

Attach the supplied AM loop antenne even when using an outdoor

om attenna.

Connect the leads to the AM and GND terminals.

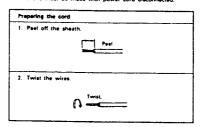
Also use the AM terminals for connecting an outdoor AM antenna twhen making such a connection do not disconnect the AM toop attenna.

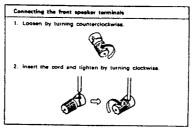
(when making such a connection on not inconnect the Am toop antenna.)
Adjust the loop antenna to obtain optimum reception. Where broadcast stations are distant and only weak signals are received, or where signals are blocked, it is best to install an outdoor AM



SPEAKER CONNECTION

Confirm polarity (+, -) and left and right channels (L, R). Connect the speaker pairs to the SPEAKER terminals A or B on the back panel. ns must be made with power cord disconnected.





- Do not plug the power cord into the AC wall outlet until all connections have been completed.

 Male sure channels are correctly connected. Connect Left channels to Left channels and Right channels to Right channels follow the color marking of plugs and terminals to make sure mistakes are not made.

 Connect all principles security crushes the
- Connect all pin-plugs securely, pushing them completly into the jacks. Incomplete connections will cause noise genera-
- Binding the connection cables to power cords, or running such cables close to power supply transformers will cause humming or noise, and should thus be avoided.

- Notes:

 Do not connect two FM antennes simultaneously.

 Even if an external AM antenna is used, do not disconnect
- cven a an external AM antenna is used, do not disconnect
 the AM loop antenna.
 Make sure AM loop antenna lead terminals do not touch
 metal parts of the panel.

CAUTION

Protective Circuit

This set is equipped with a high speed protective circuit. This circuit protects the internal circuitry from damage due to large currents flowing when the speaker jacks are not completely connected or when an output is generated by a short circuit.

This protective circuit's operation cuts off the output to the speakers. In such a case, be sure to turn the power to the set off and check the connections to the speakers. Then turn the power on again. After muting for several seconds, the set will operate normally.

In particular, the various RDS functions can be used effectively when RDS stations are stored in the memory

when NUS stations are stored in the memory.

How to present the memory

Press the MEMORY button . The "MEMO" indicator on the
display . Bights, Next, use SHIFT/PTY button . to select the
memory block A. B. C. D or E. Now press the PRESET UP or DOWN button © to specify the preset channel number, and then press the MEMORY button © to store the station in the

The preset channel numbers for the different memory blocks are as follows.

Memory block A : 1 to 8 Memory block B : 1 to 8 Memory block C Memory block D : 1 to 8 Memory block E : 1 to 8

 Auto Memory (FM only)
 The DRA-565RD/DRA-365RD is equipped with an auto memory function

Connect the antenna, set it so that stations can be received, then hold in the MEMORY button and press the POWER button to turn the power on. Stations for which the auto stop function operates are stored in the preset memory in the order A1 to A8, 81 to 88, and so on, through F8.

Channel A1 is tuned in after the auto memory operation is completed.

Using this function makes it possible to find out the overall reception conditions of the receivable stations. The memory can be used effectively by recalling the channels in the preset memory and replacing stations whose reception is poor with stations whose reception is good, using the procedure described in 1 above.

1. Recalling preset stations

Use the SHIFT/PTY button @ to select memory block A, B, C, D or E, then press the PRESET UP or DOWN button @ to recall

the station stored in the memory.

If the PRESET UP or DOWN buttons are pressed without pressing the SHIFT/PTY button , the stations are recalled in the order A1 to A8, B1 to B8, and so on, through E8.

4. RDS search (for FM only)

Use this function to automatically tune to stations offering Radio Data Servica

This operation is also possible by pressing the TUNER button on the remote control unit once when the function is set to the TUNER mode.

Operation Display

1. Press the RDS button once. RDS SEARCH

2. Press the PRESET UP or DOWN button on. TRDS SEARCH* fi

"RDS SEARCH" fleshes on the

display, (Freest memory channels A1 to E8 are being searched.) If no RDS station is found with the above operation, all the reception bends are searched. The station name is displayed

RDS search starts again.

3. Press the PRESET UP or DOWN button again while the RDS mark is flashing.

III no other RDS station is found when all the frequencies are searched,

5. PTY search (for FM only)

Use this function to find stations broadcasting a designated type of programme type (PTY).

This operation is also possible by pressing the TUNER button on the remote control unit twice when the function is set to the TUNER mode. Next, press the PANEL button on the remote control unit, select the PTY, then press the PRESET UP or DOWN buttons to start the PTY search function in the specified Operation Display

1. Press the RDS button twice. PTY SEARCH Operation

Programme type or PTY
Designated programme type 2. Press the SHIFT/PTY button. [Always do this to designate the programme type if "PTY" is displayed in step 1.1

Press the PRESET UP or DOWN button

"PTY SEARCH" flashes on the 'PITY SEARCH" Hisses on the display display (Preset memory channels A1 to E8 are being searched.) If there as no station broad-casting the designated programme type with the above operation, all the reception bends are examined. searched. The steller name is displayed

 Press the PRESET UP or DOWN button again while the PTY mark is fleehing. PTY search starts again,

Iff no other station broadcasting the designated programme type is found when all the frequencies are searched, "NO PROGRAMME" is

The programme types which can be displayed are listed on

 TP Search (for FM enty).
This function is used to find stations scheduled to broadcast. traffic programmes (TP stations).

This operation is also possible by pressing the TUNER button

on the remote control unit three times when the function is set to the TUNER mode.

TP SEARCH

Operation

1. Press the RDS button
3 times.
2. Press the PRESET UP or DOWN button
6. "TP SEARCH" Rashes on

Preset memory channels At to E8 are being searched.)
If no TP station is found with the above operation, all the reception bands are searched. The statem name is displayed

after searching stops. TP search starts again

Press the PRESET UP or DOWN button again while the TP mark is fleshing. (If no other TP station is found when all the frequencies are searched, "NO PROGRAMME" is displayed.)

Writing station names
 You can write in station names yourself.
(Up to 8 characters)
 IRefer to the table of characters on page 13.1

Operation

1. Press the RDS button

Display First character Bashes First letter Respon

4 times.

2. Use the TUNING and DOWN buttons © to select the desired characters.

3. Use the SNF/PTY button with the select of t

Use the SHRF/PTY butt
 to move to the next place.

 After writing the entire station name, store it in the memory.
 (Refer to page 8.)

RDE Emergency Asset "ALAMM" with flesh on the display when the unit restricts the Emergency Frogramme Type Code (FTY31) from an RDS sesson. This feature may not operate properly if the signal seam the RDS station is too west on its subjected to interference. It is not possible to select the "ALAMM" display from the FTY search mode.

8. Clearing station names

1. Recall the station name you want to clear.

2. Press the RDS button 4 times until the character at the first

piace flashes.

3. Then press the SHIFT/PTY button for at least 2 seconds The current station name will then be cleared.

Note: Station names must be stored in a preset memory to be retained. If the power is turned off, or if the bend (AM/FM) is changed, the station name will be lost. Be sure to store the entered station name in a Preset Memory before changing the band or turning the power switch OFF.

* The following programme types can be designated:

NENS M.D.R. MUSIE M.O.R. MUSIC NEWS REFRIRS AFFAIRS L-CLHSSIES LIGHT CLASSICS INFORMATION INFORMATION 5-CLR55IC5 SERIOUS CLASSICS SPORT SPORT DIHER MUSIC OTHER MUSIC EDUCATION EDUCATION DRAMA DRAMA CULTURE SCIENCE SCIENCE VARIED VARIED POP MUSIC

Table of characters The characters are input in the order shown to the right. Use the TUNING buttons • to select the desired characters.

ROCK MUSIC

→RBCBEFGHIJKLMNDPGR5TUVWXYZ— D 133456789C \ J-8 '() #+. -. / = SPACE

POP MUSIC

ROCK MUSIC

7

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PLAYBACK USING THE REMOTE CONTROL

The accessory RC-174 remote control unit is used to control the RECEIVER from a distance.

inserting the dry cell batteries

 α

Remove the rear cover on the remote control unit.



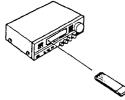
2 Insert two size "AA" (R6) dry cell batteries as shown in the diagram on the battery supply unit.



3 Replace the rear cover.



(2) Directions for use



. Operate the remote control unit while pointing it towards the

ote control sensor on the receiver as shown in the diagram

The remote control unit uses size "AA" [R6] dry cell batteries. The batteries will need to be replaced approximately once a year. This will depend upon how often the remote control is

If, in less than a year from the time new batteries were

inserted, the remote control fells to operate the receiver from a near-by position, it is time to replace the batteries.

insert the betteries properly, following the diagram on the remote control battery supply unit, and making sure to align the plus and minus sides of each battery.

Do not jumper the opposite poles of the batteries, expose

When the remote control is not to be used for a long period of time, remove the batteries from the unit.

If the batteries have leaked, remove any battery fluid from the inside of the battery supply unit by wiping it out thoroughly,

them to heat or break them open, or put them into open

. Betteries are prone to damage and leakage. Therefore:

Do not combine new batteries with used ones.
 Do not combine different types of batteries.

Notes on Use of the Retteries

and insert new batteries

The remote control unit can be used at distances up to about 8 meters in a straight line from the receiver. This distance will decrease if there are obstructions blocking the infra-red light transmission or if the remote control unit is not directed straight at the receiver.

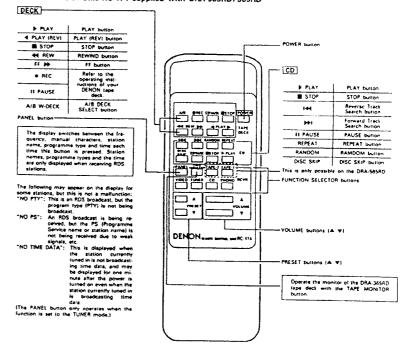
- . Do not press the operating buttons on the receiver and the remote control unit at the same time. This will cause misoperation. Operation of the remote control unit will become less effective or erratic if the infrared remote control sensor on the receiver is exposed to strong light or if there are obstructions between the remote control unit and the sensor.
- . In case you operate your VCR, TV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will cause mis-operation.

Besides being able to operate the DRA-565RD/365RD receiver with this remote control unit, you can also operate a DENON cassette deck and CD player from this handy full-system remote control unit.

Remote Control Section

namote control section
Full-system Remote Control Unit
The full-system Remote Control Unit
The full-system remote control unit operates all major functions of the receiver such as function switching, volume control, and preset
station selection. But thei's not all! The same control pad can also control the major functions of a DENON CD player and cassette deck to create a remarkably ergonomic and versatile DENON system with all the quality sound reproduction that the devoted audiophile expects

Remote Control Unit RC-174 supplied with DRA-565RD/365RD



- The RC-174 Remote Control Unit can control CD players and cassette decks made by DENON.
- . Note that operation may not be possible for some models.
- Buttons are conveniently separated into groups, each group controlling one specific component. The groups are RECEIVER, CD and

For details on operating other components, refer to the instruction manuals for the CD player and/or cassette deck.

- If the power is turned off with the remote control unit, the receiver is switched to the power stand-by state. If you are to be absent for a
- If the power is turned on with the remote control unit, the teceiver is switched to the power stand-by state. If you are to be absent to a long period of time, be sure to turn the power of tuning the POWER switch on the receiver.
 A part of 1st digit of fluorescent display light while the receiver is in the power stand-by state.
 You may experience errains operation of the remote control unit if it is operated in fluorescent light and direct sunlight, in particular if this light strikes the remote control sensor on the receiver. However, this is not a mailunction, and if this should happen, protect the sensor against such light.

- 1. Have all connections been made PROPERLY?
- 2. Have you followed all operational instructions correctly?
- 3. Check speaker and the turntable systems for proper operation.

When your unit does not seem to be operating correctly, first check the items in the following table. If the symptom does not correspond to any of the problems as shown below, turn off the power sources immediately and contact your DENON dealer.

Problem	Cause	Remedy
FM AND AM RECEPTION		A
Radio program can not be received.	Antenna connection is wrong. A signal strength is weak;	Check the connection. Check the antenna installation.
Noise is reproduced.	A signal strength is weak. Automobile ignition noise interferes with reception. Other electrical equipment interferes with reception.	Install an outdoor antenna. Keep the antenna away from the street. Keep the equipment away from this set, or turn off the power of the other equipment.
The preset frequencies are erased.	The memory back-up term (about 1 month) passed.	Preset again.
In automatic tuning, the frequency doesn't stop at the radio station.	A signal strength is weak.	Use manual tuning
In automatic tuning, it stops at the one step lower or higher frequency than the radio station.	Noise or strong signel strength is received.	Use manual tuning for optimum re- ception.
PLAYBACK OF THE AUDIO EQUIPMENTS	3	<u> </u>
No sound is produced with power on.	Input and speaker cords connection are wrong. Speaker switch is off. The INPUT SELECTOR buttons are in wrong position. The protective circuit is operating. The fuse has blown out.	Check the connection. Turn on speaker switch. Check these position. Turn the power off once, check the connections to the speakers, then turn the power on again. Ast your dealer, or the nearest DENOM representative.
Audible hum when playing records.	The input and grounding cords connection of the turntable are wrong. The cords connection of the cartridge are wrong. The interference from the nearby TV or radio transmission antenna.	Check the connection. Check the connection. Ask your dealer, or the nearest DENON respresentative.
Howling is produced when the volume control is turned up too high while playing records.	The vibrations and sounds transmit from the speakers to the turntable.	Insulate the vibrations, or keep the speakers away from the turntable.
Cracking noise is produced when playing records.	The record is stained with the dust. The stylus tip of the cartridge is stained with the dust. The cartridge is defective.	Clean the record. Clean the stylus tip. Try the other cartridge.

SPECIFICATIONS

IMPLIFIER SECTION			TUNER SECTION	
Continuous Power Output: (DIN)		W + 80 W (4 ohms, 1 kHz) W + 62 W (4 ohms, 1 kHz)	(FM) (note: µV at 75 ohms, 0 o Receiving Range:	181 - 1 = 10 ¹⁵ W) 87.5 ~ 108 MHz
Power Bandwidth (RHF):		T.H.D. 0.15% both	Usable Sensitivity: Signal to Noise Ratio	0.1 µV (10.3 d8f)
Total Harmonic Distortion: Frequency Response:			(HIF-A):	MONO 82 dB STEREO 78 dB
risquincy neepones;	ing Output) MM	anderd Curve (Record- 20 Hz ~ 20 kHz ±0.5 dB	Image Rejection: Selectivity (±300 kHz):	85 d8 55 d8
	CD, VIDEO,	20 Hz ~ 60 kHz ± 1.5 dB	Frequency Response:	30 Hz ~ 15 kHz +0 2 dB
	TAPE-1, TAPE-2 TAPE (DRA-365)	(DRA-965RD)	Steres Separation (at 1 kHz):	40 dB
			[AM]	
input Sensitivity and			Receiving Range:	522 1611 kHz
Impedance:	CD, VIDEO,	2.5 mV 47 k ohms 150 mV 25 k ohms	Usable Sensitivity:	18 u Y
	TAPE-1, TAPE-2 TAPE (DRA-366)		Signal to Noise Retio:	55 #8
Maximum Input Level				
(st 1 kHz); Signal to Noice Ratio	PHONO MM	120 mV	General Pewer Supply:	AC 230V 50 Hz
[PIF-A]:	PHONO MM CO, VIDEO, TAPE-1, TAPE-2 TAPE (DRA-366)		Fower Consumption:	145 W (DRA-565RD) 129 W (DRA-365RD)
Tone Controls:	BASS	±10 dB at 100 Hz		
Loudness, Control Effect:	TREBLE VARIABLE LOUG 50 Hz/10 kHz, +1	±10 d9 at 10 kHz ONESS at maximum position 10 d8/+8 d9	Power Outlets: Dimensions:	SWITCHED 100 W 434 mm (W) × 130 mm (H)
PRE-OUT terminals Rated output: (DRA-866RD enly)	2 V (at 100 kohm	load)	Weight:	x 312 mm (D) (DRA-565RD 434 mm (W) x 120 mm (H) x 312 mm (D) (DRA-365RD)
			resigne;	7.2 kg (DRA-565RD) 6.0 kg (DRA-365RD)
			REMOTE CONTROL UNIT	RC-174
			Remote control system:	Infrared pulse system
			i amai ambibut:	JV DC Two size *AA* (R6) dry cell betteries
			External dimensions:	80 mm W x 175 mm H
			Weight;	120 g (Includes batteries)

Design and specifications are subject to change without prior notice.

DRA-565RD/365RD

DISASSEMBLY

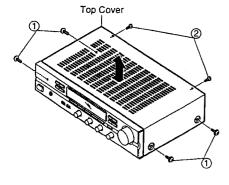
(To reassemble reverse disassembly)

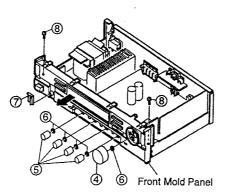
Top Cover

Remove 4 screws (1) and 2 screws (2) .

Front Mold Panel

- (1) Pull out Volume knob (4) and 4 round knobs (5).
- (2) Remove 5 nuts (6) and Speed Nut (7) .
- (3) Remove 2 screws (8) .





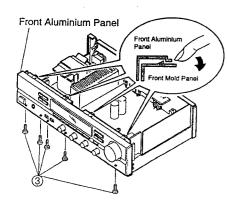
Front Aluminium Panel

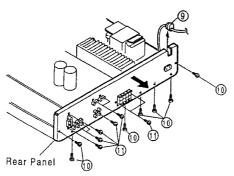
Remove 4 screws (365RD) 5 screws (565RD) 3 and undo hooks at 4 places.

Rear Panel

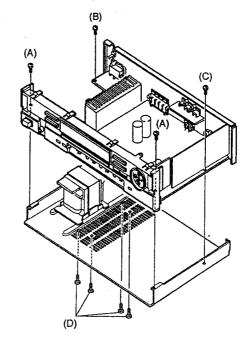
- (1) Disconnect cord bush (9) .
- (2) Remove 7 screws (10), and 8 screws (365RD) 9 screws (565RD) (11).

*Screws 11 is tighten.

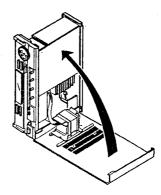




 Despite the transformer and PWB are connected with the wire, an arrangement clamper is relatively easy to remove at a time of servise.

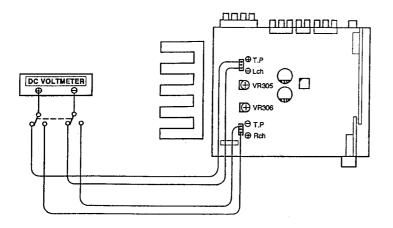


- Disassemble Front Aluminum Panel (refer to previous Item 2).
- (2) Remove 4 screws (D) securing the Radiator to the Bottom Cover.
- (3) Unfasten 2 screws on the surface and 5 screws on the bottom of Rear Panel (refer to previous Item 4).
- (4) Remove 2 screws (A) securing the Inner Panel.
- (5) Untighten a screw (C) and detach Main PWB, remove a screw (B) and detach Power Supply PWB.
- (6) Remove arrangement clamper for the wire of Transformer.
- (7) Hold and lift the Back Panel and Inner Panel.



Checking is feasible by positioning the PWB upright.

METHOD OF ADJUSTMENTS



IDLING CURRENT

(1) Set controls as follows.

POWER Switch \rightarrow off (\blacksquare)
VOLUME Control \rightarrow 0 (min.)
SPEAKERS \rightarrow off (\blacksquare)

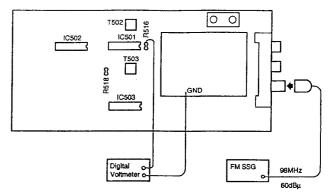
Temperature → 15°C ~ 30°C (59°F ~ 86°F)

VR305 and VR306 of the 1U-2718-1 (Main Unit) → MIN. (△)

- (2) Connect DC Voltmeter to the T.P.L.ch and T.P.R.ch of the 1U-2718.
- (3) Turn the Power Switch on and rotate VR305 clockwise so that the DC Voltmeter reads 2.5 mV ±0.2 mV DC at the T.P Lch. Follow the same procedure to VR306 for T.P Rch.
- (4) Warm up for three minutes, then readjust VR305 and VR306 so that the DC Voltmeter reads 2.5 mV ±0.5 mV DC.
- (5) Warm up for 10 minutes, then readjust VR 305 and VR306 so that the DC Voltmeter reads 2.5 mV ±0.5 mV DC.

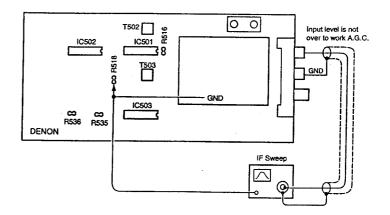
CONNECTINON DIAGRAM OF MEASURING INSTRUMENTS

● FM SECTION



Adjust T502, Potential difference across R516 should be within 50mV.

AM SECTION

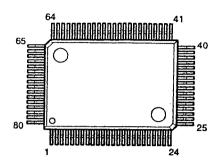


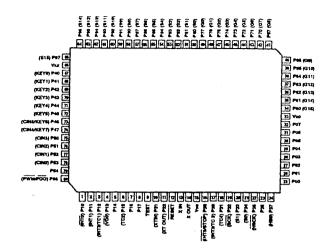
Adjust T503 for maximum height and best symmetry curve.

SEMICONDUCTORS

• IC's

TMP87CM71F (IC601)



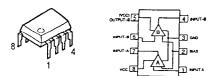


TMP87CM71F Port Allocation Table

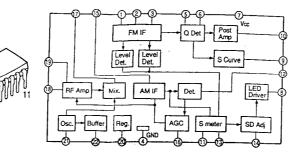
Pin No.	Symbol	ю	Logic	Initial Setting	Function	Pin No.	
1	STOP	1	L	T -	Power down detection ("L" = at power down).	40	5G
2	MUTE (A)	1	1 -	'	MUTE (A) output ("H" = MUTE)	41	6G
3	RDS	1	Serial	_	RDS data (start) input.	42	7G
4	RES	0	L	н	LC7074 reset output.	43	8G
5	GND	1	Serial	_	Not used.	44	9G
6	FCK	0	Senal	L	Function control output (LC7821) for F-CK.	45	10G
7	FDA	0	Serial	L	Function control output (LC7821) for F-DATA.	46	11G
8	FSTB	0	Н	L	Function control output (LC7821) for F-STB.	47	12G
9	GND	1	_	_	Connect to GND.	48	13G
10	SD	1	L	_	Tuned signal input ("L" = at tuned in).	49	14G
11	GND	1	_		Not used.	50	SO (a)
12	RESET	1	L	_	Reset input.	51	S1 (b)
13	XIN	1		_	Oscillation circuit (4MHz).	52	S2 (c)
14	XOUT	1		_	Oscillation circuit (4MHz).	53	S3 (d)
15	Vss	PW	_		GND	54	S4 (e)
16	GND	1	_	_	GND	55	S5 (f)
17	REM	1	L		Remote control signal input.	56	S6 (g)
18	sr	1	L	1	Stereo signal input ("L" = at stereo).	57	S7 (h)
19	RCK	1	Serial	_	RDS data (clock) input.	58	S8 (j)
20	FIDA	1	Serial		ROS data (data) input.	59	S9 (k)
21	GND	1	-	_	Not used.	60	S10 (m)
22	PCK	0	Serial	L	LM7001 control output for PLL-CK (CL).	61	S11 (n)
23	PDA	0	Serial	د	LM7001 control output for PLL-DATA (DATA).	62	S12 (p)
24	PSTB	0	Н	L	LM7001 control output for PLL-STB (CE).	63	S13 (q)
25	GND	0		L	GND	64	S14 (r)
26	GND	0		L	GND	65	S15 (s)
27	AM	0	L	L	AUTO/MANUAL control.	66	Vkk
28	GND				Not used.	67	
29	POF	0	н	L	Power control output ("H" = ON).	1	GND
.30	VR-UP	0	Н	L	Power volume control output (LB1639 ON = at "H").	70	1
31	VR-0	0	н	L	Power volume control output (LB1639 ON = at "H").	71	VA
32	SP-R	0	н	L	Speaker relay control output (ON = at "H").	72	VB
33	V00	PW			+5V	73	K1
34	GND	- 1			GND	74	К2
35	GND	1			GND	75	КЗ
36	1G	0			FL tube control output for 1G.	76	K4
37	2G	0			FL tube control output for 2G.	77	VER
38	3G	0			FL tube control output for 3G.	78	VER
39	4G	0			FL tube control output for 4G.	79	MUTE (T)
						80	CHO

Pin. Symbol VO Logic Setting Function	_						
41 6G	j		Symbol	100	Logic		Function
42 7G	1	40	5G	0			FL tube control output for 5G.
43 8G	1	41	6G	0			FL Tube control output for 6G.
44 9G	J	42	7G	0		<u> </u>	FL Tube control output for 7G.
45 10G O — Ft. Tube control output for 10G. 46 11G O — Ft. Tube control output for 10G. 47 12G O — Ft. Tube control output for 13G. 48 13G O — Ft. Tube control output for 13G. 49 14G O — Ft. Tube control output for 14G. 50 S0 (a) O — Ft. Tube control output for 14G. 51 S1 (b) O — Ft. Tube control output for 14G. 52 S2 (c) O — Ft. Tube control output for P(b). 53 S3 (d) O — Ft. Tube control output for P(c). 54 S4 (e) O — Ft. Tube control output for P(c). 55 S5 (f) O — Ft. Tube control output for P(c). 56 S6 (g) O — Ft. Tube control output for P(f). 57 S7 (h) O — Ft. Tube control output for P(f). 58 S8 (g) O — Ft. Tube control output for P(f). 59 S9 (k) O — Ft. Tube control output for P(f). 60 S10 (m) O — Ft. Tube control output for P(f). 61 S11 (n) O — Ft. Tube control output for P(f). 62 S12 (p) O — Ft. Tube control output for P(f). 63 S13 (a) O — Ft. Tube control output for P(f). 64 S14 (f) O — Ft. Tube control output for P(f). 65 S15 (a) O — Ft. Tube control output for P(f). 66 Valk PW — Ft. Tube control output for P(f). 67 GND 68 S15 (a) O — Ft. Tube control output for P(f). 69 S16 (a) O — Ft. Tube control output for P(f). 61 S11 (n) O — Ft. Tube control output for P(f). 62 S12 (p) O — Ft. Tube control output for P(f). 63 S13 (a) O — Ft. Tube control output for P(f). 64 S14 (f) O — Ft. Tube control output for P(f). 65 S15 (a) O — Ft. Tube control output for P(f). 66 Valk PW — — Ft. Tube control output for P(f). 67 GND 68 Valk PW — — Ft. Tube control output for P(f). 69 S15 (a) O — Ft. Tube control output for P(f). 60 S15 (a) O — Ft. Tube control output for P(f). 61 S15 (a) O — Ft. Tube control output for P(f). 62 S12 (c) O — Ft. Tube control output for P(f). 63 S15 (a) O — Ft. Tube control output for P(f). 64 S14 (f) O — Ft. Tube control output for P(f). 65 S15 (a) O — Ft. Tube control output for P(f). 66 Valk PW — Ft. Tube control output for P(f). 67 Ft. Tube control output for P(f). 68 Valk PW — Ft. Tube control output for P(f). 69 Valk PW — Ft. Tube control output for P(f).)	43	8G	0			FL Tube control output for 8G.
46	1	44	9G	0			FL Tube control output for 9G.
47 12G O — FL Tube control output for 12G. 48 13G O — FL Tube control output for 13G. 49 14G O — FL Tube control output for 14G. 50 S0 (a) O — FL Tube control output for 14G. 51 S1 (b) O — FL Tube control output for 14G. 52 S2 (c) O — FL Tube control output for P(a). 53 S3 (d) O — FL Tube control output for P(b). 54 S4 (e) O — FL Tube control output for P(c). 55 S5 (f) O — FL Tube control output for P(g). 56 S6 (g) O — FL Tube control output for P(g). 57 S7 (h) O — FL Tube control output for P(g). 58 S8 (g) O — FL Tube control output for P(g). 59 S9 (k) O — FL Tube control output for P(h). 58 S8 (g) O — FL Tube control output for P(h). 59 S9 (k) O — FL Tube control output for P(h). 60 S10 (m) O — FL Tube control output for P(g). 61 S11 (n) O — FL Tube control output for P(g). 62 S12 (g) O — FL Tube control output for P(g). 63 S13 (q) O — FL Tube control output for P(g). 64 S14 (f) O — FL Tube control output for P(g). 65 S15 (s) O — FL Tube control output for P(g). 66 Vak PW — FL Tube control output for P(g). 67 GND 70 GND 71 VA O L H Video InVOut control ("L" = at selection) BV4066. 72 VB O L H Video InVOut control ("L" = at selection) BV4066. 73 K1 I — Key Input (A/D conversion input). 74 K2 I — Key Input (A/D conversion input). 75 K3 I — Key Input (A/D conversion input). 76 K4 I — Key Input (A/D conversion input). 77 VER I — Forwarding country setting. 78 VER I — Forwarding country setting.	1	45	10G	0	<u> </u>		FL Tube control output for 10G.
48 13G]	46	11G	0	<u> </u>		FL Tube control output for 11G.
49 14G O — FI Tabe control output for 14G 50 S0 (a) O — FI Tabe control output for 14G 50 S0 (a) O — FI Tabe control output for P(a). 51 S1 (b) O — FI Tabe control output for P(b). 52 S2 (c) O — FI Tabe control output for P(c) 53 S3 (d) O — FI Tabe control output for P(c). 54 S4 (e) O — FI Tabe control output for P(c). 55 S5 (f) O — FI Tabe control output for P(c). 56 S6 (g) O — FI Tabe control output for P(c). 57 S7 (h) O — FI Tabe control output for P(c). 58 S8 (g) O — FI Tabe control output for P(c). 59 S9 (k) O — FI Tabe control output for P(c). 60 S10 (m) O — FI Tabe control output for P(c). 61 S11 (n) O — FI Tabe control output for P(c). 62 S12 (p) O — FI Tabe control output for P(c). 63 S13 (a) O — FI Tabe control output for P(c). 64 S14 (f) O — FI Tabe control output for P(c). 65 S15 (a) O — FI Tabe control output for P(c). 66 Valk PW — FI Tabe control output for P(c). 67 GND 68 GND 69 GND 70 GND 71 VA O L H Video InfOut control ("L" = at selection) BV4066. 72 VB O L H Video InfOut control ("L" = at selection) BV4066. 73 K1 I — Key Input (A/D conversion Input). 74 K2 I — Key Input (A/D conversion Input). 75 K3 I — Key Input (A/D conversion Input). 76 K4 I — Key Input (A/D conversion Input). 77 VER I — Forwarding country setting. 78 VER I — Forwarding country setting. 79 MUTE (T) O H H MUTE output (III = MUTE).	ı	47	12G	0	<u> </u>		FL Tube control output for 12G.
SO SO SO SO SO SO SO SO]	48	13G	0		i –	FL Tube control output for 13G.
S1 S1 D) O	J	49	14G	0			FL Tube control output for 14G.
S2 S2 C3 O	١	50	50 (a)	0			FL Tube control output for P(a).
S3 S3 G1 O		51	S1 (b)	0			FL Tube control output for P(b).
S4 S4 S4 S4 S4 S4 S4 S4]	52	S2 (c)	0	-	_ =	FL Tube control output for P(c).
SS SS (f)]	_53	S3 (d)	0	_		FL Tube control output for P(d).
S6 S6 G9 O]	54	S4 (e)	0			FL Tube control output for P(e).
57 S7 (h) O — Ft. Tube control output for P(h). 58 S8 (l) O — — Ft. Tube control output for P(h). 59 S9 (k) O — — Ft. Tube control output for P(h). 60 S10 (m) O — — Ft. Tube control output for P(m). 61 S11 (n) O — — Ft. Tube control output for P(p). 62 S12 (p) O — — Ft. Tube control output for P(p). 63 S13 (a) O — — Ft. Tube control output for P(p). 64 S14 (f) O — — Ft. Tube control output for P(g). 65 S15 (a) O — — Ft. Tube control output for P(g). 66 Vuk PW — — Ft. Tube control output for P(g). 67 I GND — — Ft. Tube control output for P(g). 67 I GND — — Ft. Tube control output for P(g).]	55	S5 (f)	0		-	FL Tube control output for P(f).
S8 S8 G O	l	56	S6 (g)	0			FL Tube control output for P(g).
S9 S9 R) O	l	57	S7 (h)	0	_		FL Tube control output for P(h).
60 S10 (m) O — Ft. Tube control output for P(m). 61 S11 (n) O — Ft. Tube control output for P(m). 62 S12 (p) O — Ft. Tube control output for P(p). 63 S13 (q) O — Ft. Tube control output for P(p). 64 S14 (n) O — Ft. Tube control output for P(p). 65 S15 (s) O — Ft. Tube control output for P(p). 66 Vak PW — — Ft. Tube control output for P(p). 67 I GND I — GND 70		58	S8 ()	0	_		FL Tube control output for P(j).
81 S11 (n) O — Ft. Tube control output for p(n). 82 S12 (p) O — Ft. Tube control output for p(n). 83 S13 (q) O — Ft. Tube control output for P(p). 84 S14 (n) O — Ft. Tube control output for P(g). 85 S15 (a) O — Ft. Tube control output for P(g). 85 S15 (a) O — Ft. Tube control output for P(g). 86 Vulk PW — Ft. Tube control output for P(g). 87 GND 88 GND 99 GND 1 GND 1 — GND 1 VA O L H Video In/Out control ("L" = at selection) BV4066. 70 VB O L H Video In/Out control ("L" = at selection) BV4066. 71 VA O L H Video In/Out control ("L" = at selection) BV4066. 72 VB O L H Video In/Out control ("L" = at selection) BV4066. 73 Kt I — Key Input (A/D conversion input). 74 K2 I — Key Input (A/D conversion input). 75 K3 I — Key Input (A/D conversion input). 76 K4 I — Key Input (A/D conversion input). 77 VER I — Forwarding country setting. 78 VER I — Specification setting. 79 MUTE (T) O H H MUTE output ("H" = MUTE).	П	59	S9 (k)	0	-		FL Tube control output for P(k).
82 S12 (g) O — Ft. Tube control output for P(g). 63 S13 (q) O — Ft. Tube control output for P(g). 64 S14 (g) O — Ft. Tube control output for P(g). 65 S15 (s) O — Ft. Tube control output for P(g). 66 Valx PW — Ft. Tube control output for P(g). 67 Ft. Tube control output for P(g). 68 Valx PW — Ft. Tube control output for P(g). 69 Valx PW — Ft. Tube control output for P(g). 60 Valx PW — Ft. Tube control output for P(g). 61 Ft. Tube control output for P(g). 62 Valx PW — Ft. Tube control output for P(g). 63 Valx PW — Ft. Tube control output for P(g). 64 Valx PW — Ft. Tube control output for P(g). 65 Valx PW — Ft. Tube control output for P(g). 66 Valx PW — Ft. Tube control output for P(g). 67 Valx PW — Ft. Tube control output for P(g). 68 Valx PW — Ft. Tube control output for P(g). 69 Valx PW — Ft. Tube control output for P(g). 69 Valx PW — Ft. Tube control output for P(g). 60 Valx PW — Ft. Tube control output for P(g). 60 Valx PW — Ft. Tube control output for P(g). 61 Valx PW — Ft. Tube control output for P(g). 62 Valx PW — Ft. Tube control output for P(g). 63 Valx PW — Ft. Tube control output for P(g). 64 Valx PW — Ft. Tube control output for P(g). 65 Valx PW — Ft. Tube control output for P(g). 65 Valx PW — Ft. Tube control output for P(g). 66 Valx PW — Ft. Tube control output for P(g). 66 Valx PW — Ft. Tube control output for P(g). 67 Valx PW — Ft. Tube control output for P(g). 68 Valx PW — Ft. Tube control output for P(g). 68 Valx PW — Ft. Tube control output for P(g). 69 Valx PW — Ft. Tube control output for P(g). 69 Valx PW — Ft. Tube control output for P(g). 69 Valx PW — Ft. Tube control output for P(g). 60 Valx PW — Ft. Tube control output for P(g). 60 Valx PW — Ft. Tube control output for P(g). 61 Valx PW — Ft. Tube control output for P(g). 61 Valx PW — Ft. Tube control output for P(g). 61 Valx PW — Ft. Tube control output for P(g). 62 Valx PW — Ft. Tube control output for P(g). 62 Valx PW — Ft. Tube control output for P(g). 62 Valx PW — Ft. Tube control output for P(g). 62 Valx PW — Ft. Tube control output	ı	60	S10 (m)	0	_		FL Tube control output for P(m).
63 S13 (a) 0 Ft. Tube control output for P(g). 64 S14 (r) 0 Ft. Tube control output for P(g). 65 S15 (s) 0 Ft. Tube control output for P(g). 66 Vtk PW T5V 67 67 68 GND 69 CND 70 CND 70 CND 71 VA 72 VB 73 K1 74 K2 75 K3 76 CND 77 VB 78 K4 79 CND 70 CND 71 VA 72 VB 73 K1 74 K2 75 K3 76 K4 77 VB 78 VB 78 VB 79 MUTE (T) 79 MUTE (T) 70 CND 70 CND 70 CND 71 CND 72 VB 73 K1 74 K2 75 K3 76 K4 77 VB 78 VB 78 VB 79 MUTE (T) 79 MUTE (T) 79 MUTE (T) 70 CND 70 CND 71 CND 71 CND 72 CND 73 K2 74 CND 75 CND 76 K4 77 CND 77 CND 78 CND 7	П	61	S11 (n)	0	_	_	FL Tube control output for p(n).
64 S14 (1) O — F. Tube control output for P(r). 65 S15 (s) O — FL Tube control output for P(r). 66 Vuk PW — — -15V 67 1 GND 1 — GND 70 71 VA O L H Video In/Out control ("L" = at selection) BV4066. 72 VB O L H Video In/Out control ("L" = at selection) BV4066. 73 K1 I — Key Input (A/D conversion input). 74 K2 I — Key Input (A/D conversion input). 75 K3 I — Key Input (A/D conversion input). 76 K4 I — Key Input (A/D conversion input). 77 VER I — Forwarding country setting. 78 VER I — Specification setting. 79 MUTE (T) O H M MUTE output ("H" = MUTE).	Ц	62	S12 (p)	0			FL Tube control output for P(p).
65 S15 (s) O — FL Tube control output for P(s). 66 Vuk PW — — -15V 67 GND I — GND 70 GND 71 VA O L H Video In/Out control ("L" = at selection) BV4066. 72 VII O L H Video In/Out control ("L" = at selection) BV4066. 73 K1 I — Key Input (A/D conversion input). 74 K2 I — Key Input (A/D conversion input). 75 K3 I — Key Input (A/D conversion input). 76 K4 I — Key Input (A/D conversion input). 77 VER I — Forwarding country setting. 78 VER I — Specification setting. 79 MUTE (T) O H M MUTE output (I" = MUTE).	ı	63	·S13 (q)	0			FL Tube control output for P(q).
66 Vsk PW — — — — GND 67 I GND I — — GND 70 71 VA O L H Video In/Out control ("L" = at selection) BV4066. 72 VB O L H Video In/Out control ("L" = at selection) BV4066. 73 K1 I — — Key Input (A/D conversion input). 74 K2 I — — Key Input (A/D conversion input). 75 K3 I — — Key Input (A/D conversion input). 76 K4 I — — Key Input (A/D conversion input). 77 VER I — — Forwarding country setting. 78 VER I — — Specification setting. 79 MUTE (T) O H H MUTE output ("H" = MUTE).	Н	64	S14 (r)	0	-		FL Tube control output for P(r).
67 GND	ı	65	S15 (s)	0		-	FL Tube control output for P(s).
GND	۱	66	Vkk	PW		-	~15V
70	J	67					
71 VA O L H Video In/Out control ("L" = at selection) BV4066. 72 VB O L H Video In/Out control ("L" = at selection) BV4066. 73 K1 I — Key Input (A/D conversion input). 74 K2 I — Key Input (A/D conversion input). 75 K3 I — — Key Input (A/D conversion input). 76 K4 I — — Key input (A/D conversion input). 77 VER I — — Forwarding country setting. 78 VER I — — Specification setting. 79 MUTE (T) O H MUTE couput (H" = MUTE).	1	1	GND	t.		_	GND
72 VB	١	70					
73 K1	1	71	VA	0	L	н	Video In/Out control ("£" = at selection) BV4066.
74 K2 1 Key input (A/D conversion input). 75 K3 1 Key input (A/D conversion input). 76 K4 1 Key input (A/D conversion input). 77 VER 1 Forwarding country setting. 78 VER 1 Specification setting. 79 MUTE (T) O H MUTE output (TH = MUTE).	1	72	VB	О	L	н	Video In/Out control ("L" = at selection) BV4066.
74 K2 1 — Key input (A/D conversion input). 75 K3 I — Key input (A/D conversion input). 76 K4 I — Key input (A/D conversion input). 77 VER I — Forwarding country setting. 78 VER I — Specification setting. 79 MUTE (T) O H MUTE output (PH = MUTE).	I	73	K1		-	_	Key input (A/D conversion input).
75 K3 1 Key input (A/D conversion input). 76 K4 1 Key input (A/D conversion input). 77 VER 1 Forwarding country setting. 78 VER 1 Specification setting. 79 MUTE (T) O H MUTE output (TH = MUTE).	1	74	K2	1	_		
76 K4 I — Key input (A/D conversion input). 77 VER I — Forwarding country setting. 78 VER I — Specification setting. 79 MUTE (T) O H H MUTE output ("H" = MUTE).	1	75	К3				
77 VER I — Forwarding country setting. 78 VER I — Specification setting. 79 MUTE (T) O H H MUTE output ("H" = MUTE).	1	76	K4	ı			
78 VER I — Specification setting. 79 MUTE (T) O H H MUTE output ("H" = MUTE).	1	77	VER	1			
79 MUTE (T) O H H MUTE output ("H" = MUTE).	I	78	VER	-	_		
	ſ	79	MUTE (T)	0	н	Ĥ	· · · · · · · · · · · · · · · · · · ·
	ľ	80		-,			





LA1265 (S) (IC501)



LCOM1

LCOM2

LCOM3

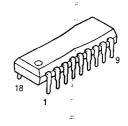
VDD

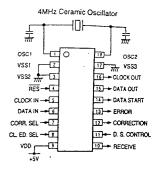
VSS -

VEE . RES

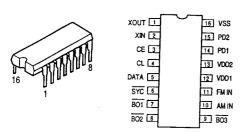
L6

LC7074 (IC602)

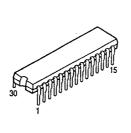




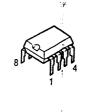
LM7001 (IC503)

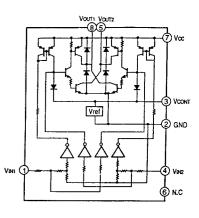


LC7821 (IC102)

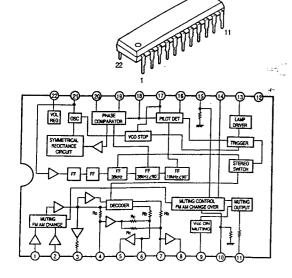


LB1639 (IC201)

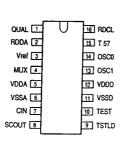




LA3401 (IC502)



SAA6579T (IC601)



Pin No.	Symbol	Description
1	QUAL	Quality indication output.
2	RDDA	RDS data output.
3	Veet	Reference voltage output (0.5 Vppu).
4	MUX	Muttiplex signal input.
5	VDDA	+5 V supply voltage for analog part.
6	VSSA	Ground for analog part (0 V).
7	CIN	Subcarrier input to comparator.
8	SCOUT	Subcarrier output of reconstruction filter.
9	TSTLD	Test control.
10	TEST	Test enable.
11	Vsso	Ground for digital part (0 V).
12	VDOO	+5 V supply voltage for digital part.
13	OSCI	Osciliator input.
14	osco	Osciliator output.
15	T57	57 kHz clock signal output.
16	RDCL.	RDS clock output.

Level shifter

Latch

• R5

• R6

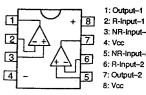
• R9

RCOM2

• RCOM3

BA15218 (IC301)



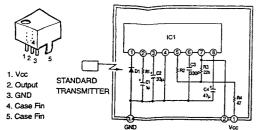


1: Output-1

3: NR-Input-1

NJM78M12FA (IC504) NJM7806FA (IC401)

SBX1610-52 (REMOTE SENSOR)

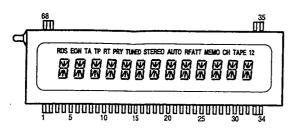


: CX20106A Chip : PIN Photo Diode Chip C1, C2, C4 : Aluminum Electrolytic

Capacitor : SL Characteristic ±5%

R1 : Gain Adjuster R2 : fo Adjust ±1% USE R3, R4 : ±5%

FLD (FIP14AM7R)



14G RDS EON TA TP RT PTY TUNED STEREO AUTO RFATT MEMO CH TAPE 12 13G 12G 11G 10G 9G 8G 7G 6G 5G 4G



TERMINAL CONNECTION

(UPPER)

TERMINAL NO.	68	67 6	6 65	64	63	62	61	60	59	58	57	56	55	54	53	52			
ELECTRODE	F1	F1 N	P NP																
TERMINAL NO.			51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
ELECTRODE			NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	F2	F2

(LOWER) 18 19 20 21 22 23 24 25 26 27 28 29 TERMINAL NO. 30 14G 13G 12G 11G 10G 9G 8G 7G 6G 5G 4G 3G 2G ELECTRODE TERMINAL NO. ELECTRODE

Notes: F: Filament NP: No. Pin

G: Grid P: Anode

TRANSISTORS

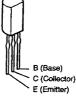
2SA988(E/F)	2SB647A(C
2SA1515(R)	2SB1041(R
2SC1815(Y) 2SC1841(E/F)	2SD667A(C

2SA933S(S) 2SA1038S(S/E) 2SC1740S(E) 2SC1740SLN(E) 2SC2058(Q) 2SC2389S(S/E)

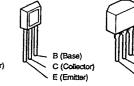
2SB1328(P) 2SD2004(P)

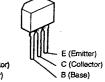
2SK161(GR)





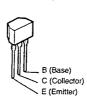


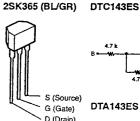


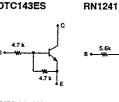


2SA1489(O/P/Y)(Z) 2SA1491(O/P/Y)(Z) 2SC3853(O/P/Y)(Z) 2SC3855(O/P/Y)(Z)

DTA143ES(4.7K-4.7K) DTA114ES(10K-10K) DTB123ES DTC143ES(4.7K-4.7K) RN-1241(A/B) DTC144ES(47K-47K)

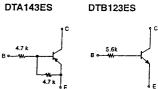








D (Drain)



DIODES & LED

E (Emitter)

C (Collector)

B (Base)

1SS252

1SR35-200A

1S2471





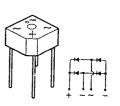


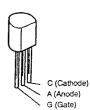


S4VB20

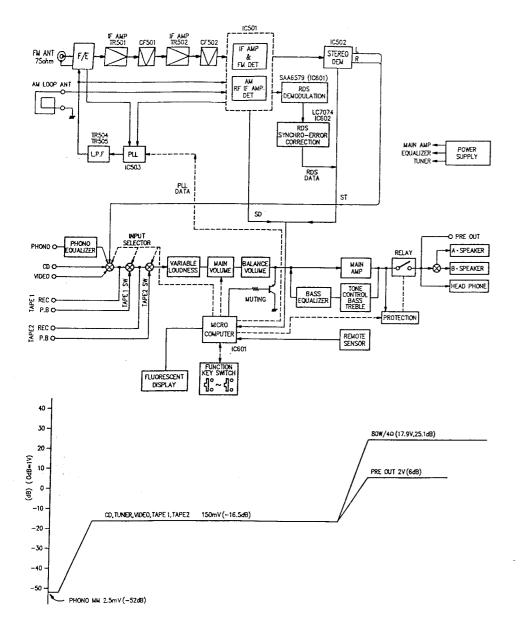
SFOR1A42



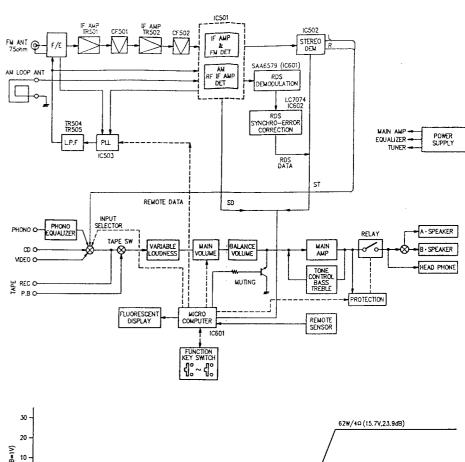


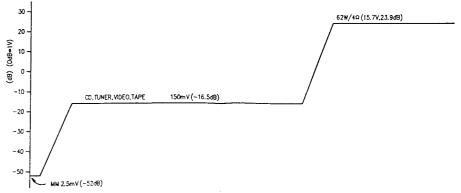


BLOCK/LEVEL DIAGRAM (DRA-565RD)



BLOCK/LEVEL DIAGRAM (DRA-365RD)





NOTE FOR PARTS LIST

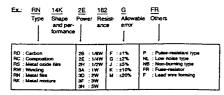
- Part indicated with the mark * are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- . When ordering of part, clearly indicate "1" and "1" (i) to avoid mis-supplying.
- · Ordering part without stating its part number can not be supplied.
- Part indicated with the mark *★* is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.) WARNING:

Parts marked with this symbol A market critical characteristics.

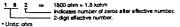
Use ONLY replacement parts recommended by the manufacturer.

Resistors

■ じんん・ひゅうさし/ うっされしゅ

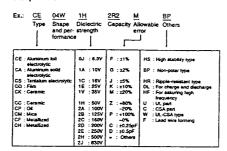


• Resistance



1	R	2	ma	1.2 ohm
٦		L		1-digit effective number.
•		_		2-digit effective number, decimal point indicated by R
- []	nits: 6	ohm		= :

Capacitors



· Capacity (electrolyte only)

2 2 2 > 200µF

L Indicates number of zeros after effective number.
2-digit effective number. • Units: μF.

2 R 2 ⇒ 2.2µF
1-digit effective number.
2-digit effective number, decimal point indicated by R. • Units: µF.

· Capacity (except electrolyte)

2 2 2 ⇒ 2200pF = 0.0022µF

(More than 2) – Indicates number of zeros after effective number.
2-digit effective number. • Units: µF.

* When the dielectric strength is indicated in AC, "AC" is included after the dieelectric

PRINTED WIRING BOARD PARTS LIST 1U-2731B MAIN UNIT (DRA-565RD)

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICO	NDUCTORS	GROUP		⚠ 98387-390	241 2377 989	Carbon 150ohm 1/4W	RD14B2E151JNBS
IC101	263 0609 000	IC NJM2068DDC		△ R393,394	244,2051,987	Metallic 4.7ohm 1W	RS14B3A4R7JNBS(
IC102	262 1227 000			△-F401.	244 2051 987	Metalic 4 John 1W	RS14B3A4R7JNBS(
IC201	263 0476 002		1	A 8403 € ***	244 2055 854	Metalic 150ohm 1W	RS14B3A151JNBS(S
IC301	263 0565 007			△ F408 4	241 2387 908		RD1482E010JNBS
IC401	263 0793 000			Δ.#411-4-1	:241 2377 947	Carbon 100ohm 1/4W	RD14B2E101JNBS
IC601	262 1701 906		l	Δ P471 * ***	244 2055 996	Metallic 12kotan 1W	RS14B3A12ZJNBS(S
IC602	262 1929 908			△ 8474	244 205 (990)	Metallic 4.7kohan YW	RS14B3A47ZJNBS(S
				VR102	211 0831 002	Variable 100kohm	V1620V25F=104R(M
TR201	269 0022 904			VR201	211 0830 003	Variable 100kohm	V14V20FB104K
TR251	274 0151 903			VR251	211 0627 003	Variable 250kohm	V11V20FW254K
TR252	272 0107 906			VR301	211 0628 002	Variable 250kohm	V14V20FC254K
TR253	273 0388 906			VR303	211 0829 001	Variable 50kphm	V14V20FCS03K
TR254	271 0192 905		Í	VR305,306	211 6093 912	Serni Fixed Resistor 4.7Kohm	V06P8472
TR255	273 0432 904				L11 0030 31E	00000	1
TR256	271 0280 901						
TR257	273 0388 906				L	L	.1
TR301,302	269 0107 900			CAPACITO	RS GROUP		
TR303,304	273 0235 923		1	C101,102	253 1179 945	Ceramic 220pF/50V	CK4581H221K
TR305~306	1		1	C103,104	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
TR309,310	273 0235 923		1		254 4254 909		CE04W1C330M
TR315,316	273 0198 002		1	C105,106		Electrolytic 33µF/16V	
TR317,318	274 0151 903		i	C107,108	253 4537 966	Ceramic 47pF/50V	CC45SL1H47QJ
TR319,320	272 0107 906	Transistor 2SB1328(P)	1	C109,110	255 1264 995	Film 5600pF/50V	CQ93M1H562J(B)
TR325,326	273 0235 923	Transistor 2SC1841(E/F)		C111,112	255 1264 924	Film 1500pF/50V	CQ93M1H152J(B)
TR327	271 0131 924	Transistor 2SA988(E/F)		C113,114	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
TR401	272 0131 901	Transistor 2SB1041(R)	1	C115,116	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z
TR402,403	273 0388 906	Transistor 2SC1740S(E)	Europe Model Only	C121~128	253 4357 982	Ceramic 56pF/50V	CC45SL1H560J
	ł		(Except for U.K.)	C129~131	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z
TR451	273 0388 906	Transistor 2SC1740S(E)		C133	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z
TR452	269 0018 905	Transistor DTC143ES(4.7K-4.7K)		C135	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z
TR453	273 0388 906	Transistor 2SC1740S(E)		C136	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
TR472,473	273 0388 906	Transistor 2SC1740S(E)		C141,142	255 1264 908	Film 1000pF/50V	CQ93M1H102J(B)
TR474	271 0192 905	Transistor 2SA933S(S)		C151	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z
TR475	273 0388 906	Transistor 2SC1740S(E)		C183	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z
TR478,479	269 0040 902	Transistor DTC144ES(47K-47K)		C201~204	255 1264 982	Film 4700cF/50V	CQ93M1H472J(B)
	l			C209,210	253 1179 903	Ceramic 100pF/50V	CK45B1H101K
D202-204	276 0616 907	Diode 1SS252		C211	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
D303-306	276 0619 904	Diode 1S2471		C213,214	255 1265 978	Film 0.22uF/50V	CQ93M1H223J(B)
D307-312	276 0616 907	Diode 1SS252		C215,216		•	CK45B1H561K
D401	276 0616 907	Diode 1SS252		1 1	253 1179 990	Ceramic 560pF/50V	1
D402-404	276 0553 905	Diode 1SR35-200A		C217	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z
D405	276 0338 007			C218,219	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
D406		Diode S4VB20F		C220	254 4252 927	Electrolytic 47 µF/10V	CE04W1A470M
D405 D407-410	276 0616 907	Diode 1SS252		C221	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
	276 0553 905	Diode 1SR35-200A		C225,226	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z
D451	276 0616 907	Diode 1SS252		C251	254 4256 952	Electrolytic 220µ F/25V	CE04W1E221M
D452	276 0616 907	Diode 1SS252		C252-254	254 4258 918	Electrolytic 10µF/35V	CE04W1V100M
D471	276 0616 907	Diode 1SS252	ì	C301,302		Electrolytic 1µF/50V	CE04W1H010M
				C303,304		Electrolytic 0.33µF/50V	CE04W1HR33M
ZD251,252	276 0637 902	Zener Diode MTZJ6.2A		C305,306		Ceramic 100pF/50V	CK45B1H101K
ZD401	276 0632 907	Zener Diode MTZ.127D		C307,308		Ceramic 47pF/50V	CC45SL1H470J
ZD451	276 0634 905	Zener Diode MTZ.I3.3A		1 1			1
ZD452	276 0633 906	Zener Diode MTZJ6.8C		C311-316		Ceramic 10pF/50V	CC45SL1H1000
ŽD471	276 0635 904	Zener Diode MTZJ7.5C	ł	C323,234		Electrolytic 1µF/50V	CE04W1H010M
ĺ			- 1			Film 0.22µF:50V	CQ93M1H223J(B)
SC471	279 0016 904	Thyristor SF0R1A42	1			Electrolytic 4.7 µ F/63V	CE04W1J4R7M
1						Film 6800pF/50V	CQ93M1H682J(B)
						Electrolytic 33 µF/16V	CE04W1C330M
ESISTOR	S GROUP		1	C335,336	253 1179 903	Ceramic 100pF/50V	CK45B1H101K
205-208	244 2050 933	Metallic 180ohm 1W	RS14B3A181JNBS(S)	C337,338	255 1265 981	Film 0.27µF/50V	CQ93M1H273J(B)
265,266	241 2387 940	Carbon 4.7ohm 1/4W	RO14B2E4R7JNBS			Film 0.012u F/50V	CF93A1H124J
	241 2379 932	Carbon 620ohm 1/4W	RD14B2E621JNBS		,	Film 1500pF/50V	CQ93M1H152J(B)
R329,330	241 2378 920				1	Film 0.1µF/50V	CQ93M1H103J(B)
R331-338	244 2043 982	Carbon 220ahm 1/4W	RD14B2E221JNBS				CE04W1H010M
R343-346	241 2379 987	MetaSc 0.22ohm 1W Carbon 1kohm 1/4W	RS14B3AR22JNBS(S)	f 1	1	Electrolytic 1 µ F/50V	CQ93M1H103J(B)
R385,386	241 2379 987	2014 September 1981 September 1981 1981 1981 1981	RD14B2E102JNBS	1		Film 0.1µF/50V	
		Carbon 620ohm 1/4W	RD1482E621JNBS		254 4263 945	Electrolytic 1µF/100V	CE04W2A010M

1U-2732B TUNER UNIT (DRA-565RD)

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Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
C353,354	256 1034 979	Film 0.01µF/50V	CF93A1H104J	SEMICO	NDUCTORS	GROUP	
C371-374	256 1034 979	Film 0.01µF/50V	CF93A1H104J	JC501	263 0891 001	IC LA1265(S)	
C377,378	254 4260 948	Bectrolytic 1µF/50V	CE04W1H010M	IC502	263 0439 007	IC LA3401	
C401	259 0007 702	For Back up 8200 µF	\$8 CAP==822=C	IC503	262 0719 009	IC LM7001	
C402	254 4254 909	Bedrolytic 10µF/16V	CE04W1C100M	IC504	263 0801 004	IC NJM7812FA/S)]
C403	254 4257 702	Electrolytic 3300µF/25V	CE04W1E332MC	IC601	263 2039 017	IC TMP87CM71F-6192	
C404	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	11		i	1
C405	254 4254 909	Bectrolytic 10μF/16V	CE04W1C100M	TR501	275 0051 909	Transistor 2SK161(GR)	l
	l		Europe Model Only	TR502	273 0434 902	Transistor 2SC2058S(Q)	
			(Except for U.K.)	TR503	269 0150 902	Transistor DTB123ES	
C406,407 Δ C408,409	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	TR504 TR505	273 0435 901 275 0053 907	Transistor 2SC1740SLN(E) Transistor 2SK365(BL/GR)	1
C415,416	254 4374 708	Cecunic 67000F500V Bectrolytic 8200µF/56V	CK4SE2H4729 CE04W-822MC(DL)	TR506	269 0046 906	Transistor DTA114ES(10K-10K)	
C418	254 4260 948	Bectrolytic 1µF/50V	CE04W1H010M	TR507,508	269 0040 902	Transistor DTC144ES(47K-47K)	
△ Cris		Fig01µF/250V	CF83A2E104K ^	TR509	271 0279 909	Transistor 2SA1515(R)	
C451	254 4258 905	Electrolytic 4.7µF/35V	CE04W1V4R7M	11	1		
C452	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	D411	276 0616 907	Diode 1SS252	Europe Model Only
C458	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	11			(Except for U.K.)
C471	254 4260 980	Becurolytic 10µF/50V	CE04W1H100M	11			1
C472	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M	ZD501	276 0636 903	Zener Diode MTZJB.2B	ļ
C473	254 4250 945	Electrolytic 330µF/6.3V	CE04W0J331M	ZD651	276 0636 903	Zener Diode MTZJB.28	
C480	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z	RESISTO	RS GROUP (Not included Carbon Film	n ±5% 1/4W)
C601,602	253 3131 907	Ceramic 27pF/50V	CC45CH1H270J	1	T		
C603-605	254 4250 916	Electrolytic 47µF/6.3V	CE04W0J470M	1	1	<u> </u>	J
C607,608 C609	253 4537 911	Ceramic 30pF/50V	CC45SL1H300J CK45F1H103Z	l leaves and the second	ORS GROUP		
C610	253 1181 904 254 4250 916	Ceramic 0.01µF/50V Bectrolytic 47µF/6.3V	CED4W0J470M	A CARD	253 8014 702	Ceramic 0.0 (µF400VAC	CK45F2GAC103MC
C611	253 1179 990	Ceramic 560pF/50V	CK45B1H561K		Rail.	TOTAL CO.	Europe Model Only
		<u> </u>	-	△ C413	253 8014 702	- 621-26-14-14-14-14-14-14-14-14-14-14-14-14-14-	(Except for U.K.)
OTHERS	PARTS GRO	JP		C501-505	253 1181 904	Ceramic 0.01µF7400VAC	CK45F2GAC103MC CK45F1H103Z
L101,102	235 9003 002	FTZ Choke Coil		C506	253 1181 904	Ceramic 0.01 µF/50V Ceramic 0.01 µF/50V	CK45F1H103Z
L391,392	235 0068 004	Inductor	1μH	CS07	253 4536 954	Ceramic 16oF/50V	CC45SL1H160J
	1			C508	254 4254 909	Bectrolytic 10µF/16V	CF04W1C100M
RL471	214 9003 005	Relay		CS09	253 1179 903	Ceramic 100pF/50V	CK45B1H101K
TP301,302	000 0100 000	PO MI Consider Page	TEST POINT	C510-513	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
200ر) 1730	205 0190 036	3P NH Connector Base	(EST POINT	C514	254 4256 936	Electrolytic 47µF/25V	CE04W1E470M
XL601	399 0178 007	Crystal	4.332MHz	C515	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
XL602	399 0041 901	Ceramic Filter	CSA 4.00MHz	C516	254 4260 964	Electrolytic 3.3µF/50V	CE04W1H3R3M
	}			C517	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z
	204 8354 004	Head Phone Jack		CS18	254 4260 922	Bectrolytic 0.33µF/50V	CE04W1HR33M
	204 8466 002	4P Pin Jack(S-GND)		CS19	253 1179 903	Ceramic 100oF/50V	CK4581H101K
	204 8467 001	6P Pin Jack(S-GND)		CS20	256 1034 937	Film 0.047µF/50V	CF93A1H473J(B)
	212 4778 009	2P Push Switch		C521	253 9031 904	Ceramic 0.047µF/25V	CK45=1E473K
	212 1074 007	1P Push Switch	E	C522,523	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M
	205 0484 001 205 0472 013	8P SP Terminal	Europe Model U.K. Model	CS25 CS26,527	254 4254 909	Electrolytic 10µF/16V Ceramic 330pF/50V	CE04W1C100M CC45SL1H331J
	205 04/2 013	8P SP Terminal	U.K. MUCIEI	CS29	253 4448 903 254 4254 938	Electrolytic 47µF/16V	CE04W1C470M
CN2A-2A	205 0185 025	2PWire Holder		CS30	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
CN3B,3F	205 0343 032	3P Connector Base (KR-PH)	CNSF Europe Model Only	CS31	254 4260 919	Electrolytic 0.22µF/50V	CE04W1HR22M
		, ,	(Except for U.K)	CS32	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
CN5A-5A	205 0185 054	SPWire Holder		C533	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
CN7A	205 0696 077	JL Connector(BT-E)	İ	CS34,535	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M
CN8A	205 0535 002	8P Connector Base		C\$36	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z
				CS37	254 4260 906	Electrolytic 0.01 µF/50V	CE04W1H0R1M
CN98	205 0696 093	JL Connector(BT-E)	ı				
CN9B	205 0748 093	9P JL Connector(R)		C538	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M
CN9B	205 0748 093 205 0880 016	9P J. Connector(R) 27P FFC Connector Base		C538 C539 C540	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M
CN9B	205 0748 093 205 0880 016 203 0539 060	9P J. Connector(R) 27P FFC Connector Base 1P SIN Cord Assy		C538 C539 C540 C542 ,543	254 4254 938 254 3056 917	Electrolytic 47µF/16V Electrolytic 1µF/50V Ceramic 0.022µF/50V Ceramic 16pF/50V	CE04W1C470M CE04D1H010MBP CK45F1H223Z CC45SL1H160J
CN9B	205 0748 093 205 0880 016 203 0539 060 203 0539 073	9P JL Connector(R) 27P FFC Connector Base 1P SIN Cord Ass'y 1P SIN Cord Ass'y		CS38 CS39 CS40 CS42,543 CS44	254 4254 938 254 3056 917 253 1181 917 253 4536 954 253 1181 904	Electrolytic 47μF/16V Electrolytic 1μF/50V Ceramic 0.022μF/50V Ceramic 16pF/50V Ceramic 0.01μF/50V	CE04W1C470M CE04D1H010MBP CK45F1H223Z CC45SL1H160J CK45F1H103Z
CN9B	205 0748 093 205 0880 016 203 0539 060 203 0539 073 203 0539 086	9P.J. Connector(R) 27P FFC Connector Base 1P SIN Cord Assiy 1P SIN Cord Assiy 1P SIN Cord Assiy		CS38 CS39 CS40 CS42 ,543 CS44 CS45	254 4254 938 254 3056 917 253 1181 917 253 4536 954 253 1181 904 254 4260 948	Electrolytic 47μF/16V Electrolytic 1μF/50V Ceramic 0.022μF/50V Ceramic 16pF/50V Ceramic 0.01μF/50V Electrolytic 1μF/50V	CE04W1C470M CE04D1H010MBP CK45F1H223Z CC45SL1H160J CK45F1H103Z CE04W1H010M
CN9B	205 0748 093 205 0880 016 203 0539 060 203 0539 073	9P JL Connector(R) 27P FFC Connector Base 1P SIN Cord Ass'y 1P SIN Cord Ass'y		CS38 CS39 CS40 CS42 ,543 CS44 CS45	254 4254 938 254 3056 917 253 1181 917 253 4536 954 253 1181 904 254 4260 948 254 4254 938	Bectrolytic 47µF/16V Bectrolytic 1µF/50V Ceramic 0.022µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Bectrolytic 1µF/50V Bectrolytic 147µF/16V	CE04W1C470M CE04D1H010MBP CK45F1H223Z CC45SL1H160J CK45F1H103Z CE04W1H010M CE04W1C470M
CN9B	205 0748 093 205 0880 016 203 0539 060 203 0539 073 203 0539 086 203 0539 099 203 0475 043 002 0012 081	9P JL Connector(R) 27P FFC Connector Base 1P SIN Cord Ass'y 1P SIN Cord Ass'y 1P SIN Cord Ass'y 1P SIN Cord Ass'y 1P Cortact Ass'y 1P Cortact Ass'y 2C Ribbon Cable		C538 C539 C540 C542 ,543 C544 C545 C546 C547	254 4254 938 254 3056 917 253 1181 917 253 4536 954 253 1181 904 254 4260 948 254 4254 938 254 4254 909	Bectrolytic 147µF16V Bectrolytic 1µF750V Ceramic 0.022µF50V Ceramic 0.022µF50V Ceramic 0.01µF50V Bectrolytic 1µF50V Bectrolytic 1µF50V Bectrolytic 10µF16V	CE04W1C470M CE04D1H010MBP CK45F1H223Z CC45S1.H1160J CK45F1H103Z CE04W1H010M CE04W1C470M CE04W1C470M
CN9B	205 0748 093 205 0880 016 203 0539 060 203 0539 073 203 0539 086 203 0539 089 203 0475 043 002 0012 081 002 0041 010	9P JL Connector(R) ZTP FFC Connector Base 1P SIN Cord Assy 1P Cordact Assy 1P Cordact Assy		CS38 CS39 CS40 CS42 ,543 CS44 CS45	254 4254 938 254 3056 917 253 1181 917 253 4536 954 253 1181 904 254 4260 948 254 4254 938	Bectrolytic 47µF/16V Bectrolytic 1µF/50V Ceramic 0.022µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Bectrolytic 1µF/50V Bectrolytic 147µF/16V	CE04W1C470M CE04D1H010MBP CK45F1H223Z CC45SL1H160J CK45F1H103Z CE04W1H010M CE04W1C470M

1U-2731 MAIN UNIT (DRA-365RD)

Section Part No. Part Name Remarks					10-2/31	1U-2731 MAIN UNIT (DHA-365RD)					
CESS 254 1409 95 Deterly(1 100 pf 52 yr CSF H1102 CSS 251 190 00	Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks			
CRESI 23 1181 804 Ceramic D PLUFSTV CRES H1103Z CRES 1181 204 204 CRES 1181 204 204 CRES 1181 204 204 CRES 1181 204 204 204 CRES 1181 204 204 204 CRES 1181 204 204 204 204 CRES 1181 204 204 204 204 204 204 204 204 204 204		1		CQ93M(H123.XE)	SEMICO	NDUCTORS	GROUP				
COTHERS PARTS GROUP CF5102 21 1016 00 Ceamic Filter SF10,702 25 Ceamic Fi	1			CE04WW101M	IC101	263 0609 002	IC NUM2068DDC				
Content Cont	C653	253 1181 904	Ceramic 0.01µF/50V	CX45F1H103Z	IC102	262 1227 008	IC LC7821				
Children Part S GROUP		1			IC201	263 0476 002	IC LB1639				
CFS01.962 281 0004 007 Caramic Filter SFT10.7M2 SFT10.7M	i	1				263 0565 007	IC BA15218				
CSS	OTHERS	ARTS GRO	UP			263 0793 002	IC NJM7806FA(S)	1			
Cristal				·							
C-594					10602	262 1929 908	IC LC7074M-TE-R				
A FeQ				1				. 1			
## 1782 1982	U-SU4	261 0101 008	Ceramic Files	BFU450C4N				'			
THESS 20 19 19 19 19 19 19 19 1	A Temester	SACTATE DET	F94	4 6 740				1			
R. 401											
R.401 214 0176 009 Retay (GSP-1) Europe Model Crity (Ecorpt for U.K.) TRESS 27 0028 90 Model SCP 17 contractor 25 0028 90	4.7	SAN NISHAY	Activities of the second second			1					
R.491 214 0176 009 Retay (GSP-1) Europe Model Only (Example of U.K.) TRESS 217 0289 001 Translator 284 002855ED Translator 284 00285ED Translator 284 00285	7. A. 120			(crock in ovi							
Filed 459 015 006 Remote Sensor SEX 1610-52 TROS. 304 TROS. 304 TROS. 304 TROS. 304 TROS. 305	Pt 401	214 0176 009	Relay (G5P-1)	Furnos Model Ook	1						
RM601	12-01	2.440.0000	(22)								
SW801-615 21 5904 90 Tax Switch Tax		!		(Caception U.A.)			1				
TR006-006 212 500 910 Tard Switch	FM601	499 0150 008	Remote Sensor	SBX1610-52	11	1					
SW601-615 212 590 0 90 Tad Switch Table Tabl	,			- Carrowal							
AS SH40) 2 21 91 300 00 7 500 1 1 1 1 1 1 1 1 1	SW601-615	212 5604 910	Tact Switch		1 F			1			
TS01				TVS E				1			
TSO1				3350 AND							
TSQ2	T501	231 1913 004	MW Antenna Oscillator Cod								
TS03	T502										
TSA 222 901 000						L.		1			
TS05,506											
X1,502 251 0103 007 Ceramic Oscillator Cystal T3,24bt											
XL503 281 0103 007 Ceramic Oscillator CSM-SFF1 TAH-SI											
XL503 399 0179 003 Crystal Ceramic Oscillator TR472,473 TR472,473 TR472,473 TR475 TR	XL502	261 0103 007	Ceramic Oscillator	CSB456F11	l I						
XL601 399 0191 903 Ceramic Oscillator		399 0075 003									
333 4155 002 265 0847 004 216 0005 006 275 0624 007 2P An Connector Base CN3D CN3D CN3E CN3E CN3E CN7A 205 0748 077 275 076 077 275 076 087 275 076 087 275 0676 007 276 0676 007 276 0676 007 277 0676 097 277 0676	i			CST4.00MGW-TF01				1			
393 4155 022								•			
205 0847 004 216 0055 005		393 4155 002	FLD	FIP14AM7R		269 0040 902					
215 005 005 106		205 0847 004	3P Antenna Terminai (PAL/F)					ł			
CN3D 25 0624 067 2P AC Connector Base Europe Model Only (Except for U.K.) C0307-306 276 0619 904 C76 0619 904 C76 0619 904 C76 0619 904 C76 0619 905 C76 06		216 0065 006			D202-204	276 06 16 907	Diode 1SS252				
CN36		205 0624 007	2P AC Connector Base		0303-306	276 0619 904	Diode 1S2471				
CN36			ļ			276 0616 907					
CNISE	CN30	205 0581 001	2P VH Connector Base	Europe Model Only				İ			
CN3E CN7A 205 0748 077 CN8A 205 0738 071 B PC connector Societ 279 FFC Connector Cord 270 0838 076 CN38 203 2361 003 276 076 0838 29 SAN-3P PH Connector Cord 276 0816 907 CN5A 276 0816 907 CN5	1	i	ļ	(Except for U.K.)							
CNTA CN8A 205 0536 001 CN2TA CN3B 205 0536 001 CN2TA CN3B 205 0536 001 CN2TA CN3B 205 0536 001 CN3B 205 001 CN3B 2	CN3E	205 0581 056	2P VH Connector Base		D402~404						
CNIBA		205 0748 077	JL Connector(R)		D405						
CNIZA CNIZA CNIZA CNIZA CNIZA 203 2361 003 ZPFFC Connector Cord ZP SAN-3P PH Connector Cord A 203 2361 003 ZP SAN-3P PH Connector Cord DNS2 DNS2 DNS2 DNS2 DNS2 DNS2 DNS2 DNS		205 0536 001			D406	l I					
D451 276 0616 907 Diode 153252		205 0880 016	27P FFC Connector Base		D407~410	E 1	Diode 1SR35-200A				
D4S2	CN38	203 2361 003	2P SAN-3P PH Connector Cord		D451						
2015(3)(5) P. Cromat No. 2015(3)(1) D. Cromat No. 2015(3)(2) D. Cromat No. 2015(3)(2) P. Vit Cromat No. 2015(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(-						1			
ZDS1_XS2	4	203 (548 65)	(PCorted Assy		D471			1			
Description Description	4	203 0548 064	PCoded As y	The second secon	l			1			
205 57 6 0 0 3 PVH Comedo Corr	•	203 50 (4 00)	SPERISAND CONSTRUCTOR	Europe Model Only	20251,252	276 0637 902	Zener Diode MTZJ5.2A	1			
Except for U.K. ZD452 Z76 0835 904 Zamer Diode MTZ.E.8C				[Except to UK]				1			
プロイプ 276 0858 904 Zener Dode MTZ/J SC	A)	203 5016 009	3P VH Connector Cord	Europe Model Only	ZD451	276 0634 905	Zener Diode MTZJ3.3A	İ			
SCA71 279 0016 904 Thyristor SF0R1A42		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.31	(Except for U.K)	ZD452	276 0633 906	Zener Diode MTZJ6.8C	1			
RESISTORS GROUP Δ. R20/208. 24, 2052 331 Δ. R25228. 24, 2052 351 Δ. R25128. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523.	Δ	202 0040 909	Fusa Clip	ot	ZD471	276 0635 904	Zener Diode MTZJ7.5C				
RESISTORS GROUP Δ. R20/208. 24, 2052 331 Δ. R25228. 24, 2052 351 Δ. R25128. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523. 24, 2052 251 Δ. R2523.	1		i								
Δ F20/208 244 2052 931 Metalic 3900hm 1W RS1483A931/NBS(S) Δ P265/208 241 237 940 Carbon 4 76hm 14W RD14826417/NBS S Δ R311,312 241 2379 937 Carbon 8200hm 44W RD1482621/NBS S Δ R351,534 244 2043 982 Metalic 3200hm 44W RD1482621/NBS S Δ R341,344 241 2379 937 Carbon 1800hm 14W RS14834822/NBS(S) Δ R3443344 241 2379 937 Carbon 1800hm 14W RS14834822/NBS(S)					SC471	279 0016 904	Thyristor SF0R1A42				
Δ F20/208 244 2052 931 Metalic 3900hm 1W RS1483A931/NBS(S) Δ P265/208 241 237 940 Carbon 4 76hm 14W RD14826417/NBS S Δ R311,312 241 2379 937 Carbon 8200hm 44W RD1482621/NBS S Δ R351,534 244 2043 982 Metalic 3200hm 44W RD1482621/NBS S Δ R341,344 241 2379 937 Carbon 1800hm 14W RS14834822/NBS(S) Δ R3443344 241 2379 937 Carbon 1800hm 14W RS14834822/NBS(S)					RESISTOR:	S GROUP					
Δ ROS266 Z41 287 940 Cadon € 7dm 18W ED1482 407,MSS Δ ROS1,312 21 2879 820 Cadon € 7dm 18W ROT4826 21,MSS Δ ROS2,503 24 2073 820 Cadon 220dm 14W ROT4826 22,MSS Δ ROS1,504 24 2073 927 Cadon 16dm 14W ROT482427,MSS Δ RO47,544 241 2073 927 Cadon 16dm 14W RD14826 102,MSS	[I	A 2001200			DOLLON BERNE			
Δ R335,301 201278 20 Cabon 2200m (4W RD1482E22LMS5 Δ R331-501 242 243 243 982 Metalic 0.220m (W RS1483AR22.MSS) Δ R343344 241 2379 987 Cabon 100tm (4W RD1482E102.MSS		1	Į	l	A HAD7 208	244 2052 931		A CONTRACT OF THE PARTY OF THE			
Δ R335,301 201278 20 Cabon 2200m (4W RD1482E22LMS5 Δ R331-501 242 243 243 982 Metalic 0.220m (W RS1483AR22.MSS) Δ R343344 241 2379 987 Cabon 100tm (4W RD1482E102.MSS		1	İ	İ	//\ H285,266	Z412387940					
20:1925/30、241 2278 820 Cathori 200hm QMV FID14822 22 UNES。		İ		i	المانية المانية	241,2379,932					
△ F343,344 241 2379 987 Carbon Hofm 144W - RD1482E10ZARBS	-	İ		1	Z3 F329,330	241 2378 920					
	ļ	1	1	ļ	T77 H2211-234						
231 FG45.346 241 2378 962 Carbon 330ohm 1/4W FD1482E:331.0485	Ī		1	İ	A 50.5	90000					
There is a second of the secon	- 1	1			Z3: H345,346	241 2378 962	Carbon 330ohm 1/4W	HU14BZE331JRES			

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Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
△ R385,386	241 2379 932	Carbon 620ohin 1/4W	AD14B2E621JNBS	C377,378	245 4260 948	Electrolytic 1µF/50V	CE04W1H010M
∆ ` R387-990 ≅	241 2377 989	Carbon 150chin 14W	RD14R2E151.MES	C401	259 0007 702	For Back up 8200µF	SB CAP==822=C
△ R393,394	244 2051 987.	Metalic 4 Tolan 1W, s	RS14BSA4R74NESSS	C402	254 4254 909	Bectrolytic 10µF/16V	CE04W1C100M
△ B401	244 2051 987	Metallic 4.7 derit 1W = 14 Centron Loten LAW = 14	RS 488AR7 NESS	C403	254 4256 790	Electrolytic 2200µF/25V	CE04W1E222MC
Δ R408 Δ R411	241 2387 908 241 2377 947		FID14B2E01B4BS	C404 C406.407	254 4260 948 253 1181 904	Bectrolytic 1µF/50V	CE04W1H010M
Δ #471 ·	244.2051.974	Carton (Corner (45)) Maria Metallic (Isoten (10))	RS1483A102.PES/S	∆ G408,409	253 115 905	Ceramic 0.01µF/50V	CK45F1H103Z
△ R474	244 2051 990	Metalic 4 7 John 1W	RS14B3A47ZABS(S)	C415,416	254 4355 002	Ceramic 4700pF/500V Electrolytic 6800uF/50V	CK45E2H472P
	2.71.20.400			C418	254 4260 948	Beckrolytic 1µF/50V	CE04W1H682MDL CE04W1H010M
VR102	211 0831 002	Variable 100kohm	V1620V2SF=104R(MG)	∆ C419	256 1042 903	FlorQ.1mF/2509	CF93A2E104K
VR201	211 0830 003	Variable 100kohm	V14V20FB104K	C451	254 4258 905	Bectrolytic 4.7µF/35V	CE04W1V4R7M
VR251	211 0827 003	Variable 250kohm	V11V20PW254K	C452	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
VR301	211 0828 002	Variable 250kohm	V14V20FC254K	C458	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
VR303	211 0829 001	Variable 50kohm	V14V20FC503K	C471	254 4260 980	Electrolytic 10µF/50V	CE04W1H100M
VR305,306	211 6093 912	Semi Fixed Resistor 4.7Kohm	V06PB472	C472	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
l	ļ			C473	254 4250 945	Electrolytic 330µF/6.3V	CE04W0J331M
	J		l	C480	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z
CAPACITO	RS GROUP			C601,602 C603~605	253 3131 907 254 4250 916	Ceramic 27pF/50V	CC45CH1H270J
C101,102	253 1179 945	Ceramic 220pF/50V	CK45B1H221K	C607,608	253 4537 911	Electrolytic 470µF/6.3V Ceramic 30pF/50V	CE04W0J470M
C103,104	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	C609	253 1181 904	Ceramic 0.01µF/50V	CC45SL1H300J CK45F1H103Z
C105,106	254 4254 925	Electrolytic 33µF/16V	CE04W1C330M	C610	254 4250 916	Electrolytic 470µF/6.3V	CE04W0J470M
C107,108	253 4537 966	Ceramic 47pF/50V	CC45SL1H47QJ	C611	253 1179 990	Ceramic 560pF/50V	CK45B1H561K
C109,110	255 1264 995	Film 5600pF/50V	CQ93M1H562J(B)	1			GAADIISGIA
C111,112	255 1264 924	Film 1500pF/50V	CQ93M1H152J(B)	1			
C113,114	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	OTHERS	ARTS GRO	10	
C115,116	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z	1			
C121-124	253 4537 982	Ceramic 56pF/50V	CC45SL1H560J	L101,102	235 9003 002	FTZ Choke Coil	
C127,128	253 4537 982	Ceramic 56pF/50V	CC45SL1H560J	L391,392	235 0068 004	Inductor	1μH
C129 C131	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z CK45F1H223Z	RL471	0440407007	D.1.	
C133	253 1181 917 253 1181 917	Ceramic 0.022µF/50V Ceramic 0.022µF/50V	CK45F1H223Z	NL4/1	214 0167 005	Relay	G5Z-2A
C135	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z	XL601	399 0178 007	Crystal	4.332MHz
C136	254 4260 948	Bedrowic 1µF/50V	CE04W1H010M	X1.602	399 0041 901	Ceramic Fitter	CSA4.00MG
C141.142	255 1264 908	Film 1000pF/50V	CQS3M1H102J(B)				0010
C151	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z	1 1	204 8354 004	Head Phone Jack	
C201~204	255 1264 982	Film 2200oF/50V	CQ93M1H472J(B)	1	212 4778 009	2P Push Switch	SP. A-B
C213.214	255 1265 978	Film 0.022µF/50V	CQ93M1H223J(B)		205 0190 036	3P NH Connector base	TEST POINT
C215,216	253 1179 990	Ceramic 560pF/50V	CK45B1H561K	1	204 8466 002	4P Pin Jack (S-GND)	1
C217	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z		204 8467 001	6P Pin Jack(S-GND)	
C218,219	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	1	205 0484 001	8P SP.Terminal	Europe Model U.K. Model
C220	254 4252 927	Electrolytic 47µF/10V	CE04W1A470M	Į į	205 0472 013	8P SP.Terminal	U.K. MODEL
C221	245 4260 948	Electrolytic 1µF/50V	CE04W1H010M	CN2A	002 0012 065	2C Ribbon Cable	
C225,226	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z	CN38	205 0343 032	3P Connector Base	i
C251	254 4256 952	Electrolytic 220µF725V	CE04W1E221M	CNSA	002 0041 010	5C Ribbon Cable	İ
C252~254	254 4258 918	Electrolytic 10µF/35V	CE04W1V100M	CN7A	205 0696 077	J. Connector(BT-E)	
C301,302	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	CNSA	205 0535 002	8P Connector Base	·
C303,304	254 4260 922	Electrolytic 0.33µF/50V	CE04W1HR33M	CN9B	205 0696 093	JL Connector(BT-E)	Į.
C305,306	253 1179 903	Ceramic 100pF/50V	CK45B1H101K	CN9B	205 0748 093	9P JL Connector(R)	ľ
C307,308 C311-316	253 4537 982 253 4536 909	Ceramic 56pF/50V Ceramic 10pF/50V	CC45SL1H560J CC45SL1H1000	CN27A	205 0880 016	27P FFC Connector Base	
C323.324	254 4260 948	Bectrolytic 1µF/50V	CE04W1H010M				
C325,326	255 1265 978	Film 0.022µF/50V	CQ93M1H223J(B)		203 0539 060	1P SIN Cord Ass'y	
C327~330	254 4262 904	Electrolytic 4.7µF/63V	CE04W1J4R7M		203 0539 073	1P SIN Cord Ass'y 1P SIN Cord Ass'y	
	254 4254 925	Electrolytic 33µF/16V	CE04W1C330M	1)	203 0539 099	1P SIN Cord Ass'y	1
	253 1179 903	Ceramic 100pF/50V	CK45B1H101K	1 1	203 0475 043	1P Contact Ass'y	
	1	Film 0.027µF/50V	CQ93M1H273J(B)		205 0185 025	2P Wire Holder	
		Film 0.12µF/50V	CF93A1H124J		205 0185 054	5P Wire Holder	1
		Film 1500pF/50V	CQ93M1H152X(B)	1 1		P.V.C. Tube(L=10)	1
		Film 0.01µF/50V	CQ93M1H103J(B)		1		1
			CE04W1H010M				ł
			CQ93M1H103J(B)				l
1			CE04W2A010M				1
			CF93A1H104J				1
1			CF93A1H104J				
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1U-2732 TUNER UNIT (DRA365RD)

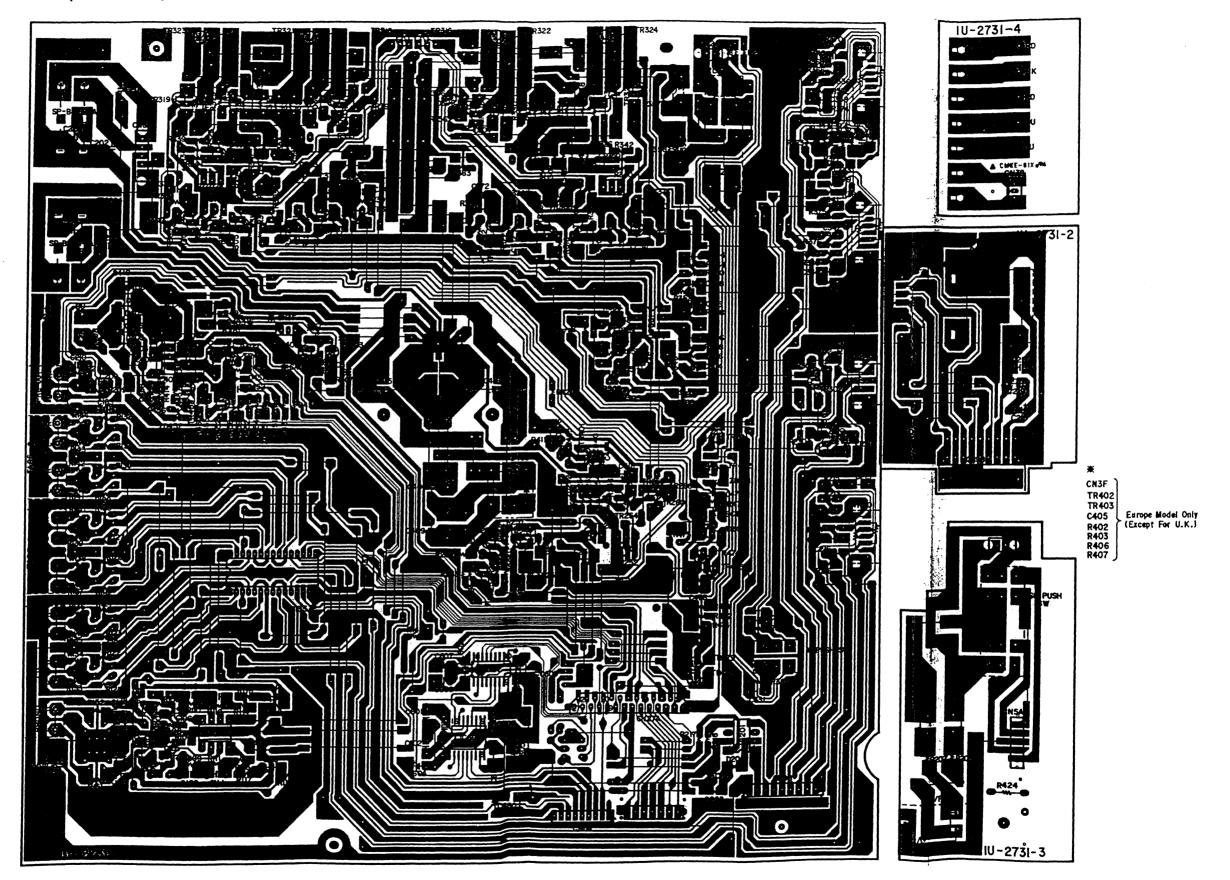
Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS	GROUP		OTHERS	PARTS GRO	OUP	
IC501	263 0891 001	IC LA1265(S)		CF501,502	261 0064 007	Ceramic Fitter	SFT10.7MS2
IC502	263 0439 007	IC LA3401		CF503	261 0116 007	Ceramic Filter	SFU450B3
IC503	262 0719 009	IC LM7001		CF504	261 0101 009	Ceramic Filter	BFU450C4N
IC504	263 0801 004	IC NUM7812FA(S)			1		1
10601	263 2039 017	IC TMP87CM71F-6192	į	△ F401	206 10 15 0 16	C	24 (1)
1000	1	1.5 1.5 0.5 0.5	ĺ	Δ F402	206 1015 029		Europe Model Only
TR501	275 0051 909	Transistor 2SK161(GR)				Table (A)	
TR502	273 0434 902	Transistor 2SC2058S(Q)	1		34.50		(Except for U.K.)
				ł I			
TR503	269 0150 902	Transistor DTB123ES		RM601	499 0150 008	Remote Sensor	SBX1610-52
TR504	273 0435 901	Transistor 2SC1740SLN(E)		A-100-2000-1-000-1-000-1-000-1-000-1-000-1-000-1-000-1-000-1-000-1-000-1-000-1-000-1-000-1-000-1-000-1-000-1-0			CONTRACTOR CONTRACTOR
TR505	275 0053 907	Transistor 2SK365(BUGR)		△ SW401	212 1030 009		TV-5 - 7
TR506	269 0046 906	Transistor DTA114ES(10K-10K)		SW601-603	212 5604 910	Tact Switch	
TR507,508	269 0040 902	Transistor DTC144ES(47K-47K)		SW405615	212 5604 910	Tact Switch	1
TR509	271 0279 909	Transistor 2SA1515(R)		1	!	<u>[</u>	1
		i		T501	231 1913 004	MW Antenna Oscillator Coil	ŀ
20501	276 0636 903	Zener Diode MTZJ8.2B	1	T502	231 2098 009	FM IF DET Trans	
ZD651	276 0636 903	Zener Diode MTZJ8.28]	T503			
	2.030000		1		231 1144 006	AMIFT	
	1		1	T504	232 9010 009	Anti birdie Filter	
	J			T505,506	232 0085 004	LPF	1
RESISTOR	S GROUP (Not included Carbon Film	n +5% 1/4W)	1			I
			1 22.0 17.71)	XL502	261 0103 007	Ceramic Oscillator	CBS456F11
				XL503	399 0075 003	Crystal	7.2Mhz
CARACITO	RS GROUP			XL601	399 0191 903	Ceramic Oscillator	CST4.00MGW-TF01
CAPACITO	ns GROUP						
C413 +	253 8014 702	Cerumic C.DipiFA00VAC	CK45F2GAC103MC		216 0065 006	Front End	
C501506	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z		393 4155 002	FLD.	FIP14AM7R
C507	253 4536 954	Ceramic 16pF/50V	CC45SL1H160J	i	205 0874 004	3P Antenna Terminal	PALIF
C508	254 4254 909	•	1	1			1,00
C509		Bectrolytic 10µF/16V	CE04W1C100M		205 0624 007	2P AC Connector Base	ĺ
	253 1179 903	Ceramic 100pF/50V	CK45B1H101K				
C510-513	253 1181 904	Ceramic 0.01 µF/50V	CK45F1H103Z	CN3B	203 2361 003	2P SAN-3P PH Connector Cord	
C514	254 4256 936	Bectrolytic 47µF/25V	CE04W1E470M	CN3E	205 0581 056	2P VH Connector Base	
C515	254 4260 948	Electrolytic 1 µF/50V	CE04W1H010M	CN3D	205 0581 001	2P VH Connector Base	Europe Model Only
C516	254 4260 964	Bectrolytic 3.3 µF/50V	CE04W1H3R3M	1	1		(Except for U.K.)
C517	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z	CN7A	205 0748 077	JL Connector(R)	
C518	254 4260 922	•	1	CNBA	205 0536 001	8P Connector Socket	
		Electrolytic 0.33 µF/50V	CE04W1HR33M	CN27A	205 0880 016	27P FFC Connector Base	
C519	253 1179 903	Ceramic 100pF/50V	CK45B1H101K	J	2000000	ZII I I O OGERZOO DESC	
C520	256 1034 937	Film 0.047µF/50V	CF93A1H473J	Δ.			Water Contract
C521	253 9031 904	Ceramic 0.047µF/25V	CK45=1E473K		203 0548 051	1P Contact Ass'y	Marie Contract
C522,523	254 4254 912	ElectroMtic 22µF/16V	CE04W1C220M	Δ	203 0548 064	· JPLOGDETASSY	9-1200
CS25	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	Δ	203 50 16 009	3P VH Connector Cord	Europe Model Only
CS26,527	253 4448 903	Ceramic 330pF/50V	CC45SL1H331J	2.000		- 1986 A.	(Except for U.K.)
C529	254 4254 938		i I	Δ		Fuse Clip	
	1	Bectrolytic 47µF/16V	CE04W1C470M				and the second s
C530	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M		1		
C531	254 4260 919	Bectrolytic 0.22µF/50V	CE04W1HR22M	1	1	I	
CS32	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	1	J	l	
C533	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	1	1	ļ	
C534,535	254 4260 951	Bectrolytic 2.2µF/50V	CE04W1H2R2M	1 1	i		
C536	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z	1	i	j	
					l l]	
CS37	254 4260 906	Bectrolytic 0.01µF/50V	CE04W1H0R1M] [l		
	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	1	į	1	
CS39	254 3056 917	Electrolytic 1µF/50V	CE04D1H010MBP]	1	1	
C540	253 1181 917	Ceramic 0.022 µ F/50V	CK45F1H223Z	1	- 1	1	
C542,543	253 4536 954	Ceramic 16pF/50V	CC45SL1H160J		- 1	i	
		Ceramic 0.01µF/50V	CK45F1H103Z		ŀ	t t	
	1	•]		I	
	1	Electrolytic 1µF/50V	CE04W1H010M	1	1	į	
,		Electrolytic 47µF/16V	CE04W1C470M	[i	
C547	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M		j		
W47	254 4260 980	Bectrolytic 10µF/50V	CE04W1H100M	1	1	-	
			CK45F1H103Z	1	1	ì	
C548	253 1146 907					1	
C548 C551~554	I	Ceramic 0.01µF/50V	1	1		i	
C548 C551~554 C651	255 1265 949	Film 0.012µF/50V	CQ93M1H123J(B)			İ	
C548 C551-554 C651 C652	255 1265 949 254 4300 963	Film 0.012µF/50V Blectrolytic 100µF/6.3V	CQ93M1H123J(B) CE04W0J101M				
C548 C551~554 C651 C652	255 1265 949 254 4300 963	Film 0.012µF/50V Blectrolytic 100µF/6.3V	CQ93M1H123J(B)				

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PRINTED WIRING BOARD PATTERNS

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1U-2731B MAIN UNIT (DRA-565RD)



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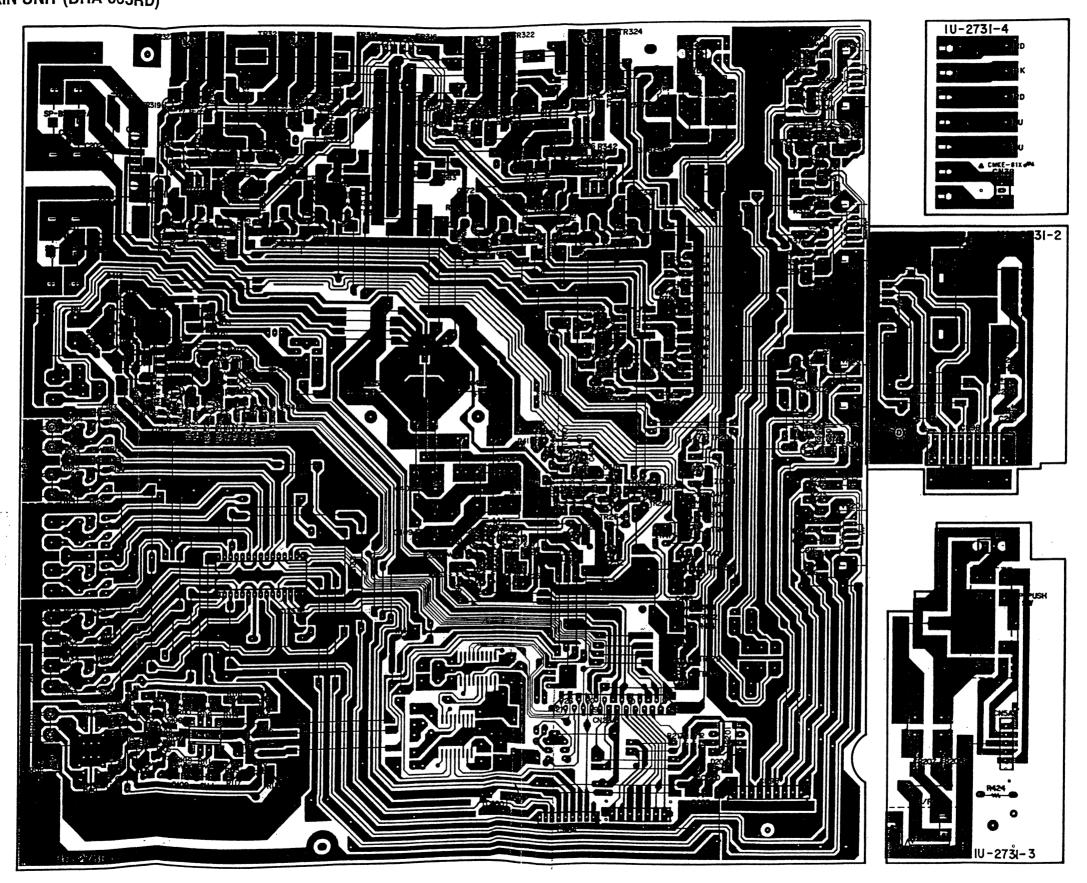
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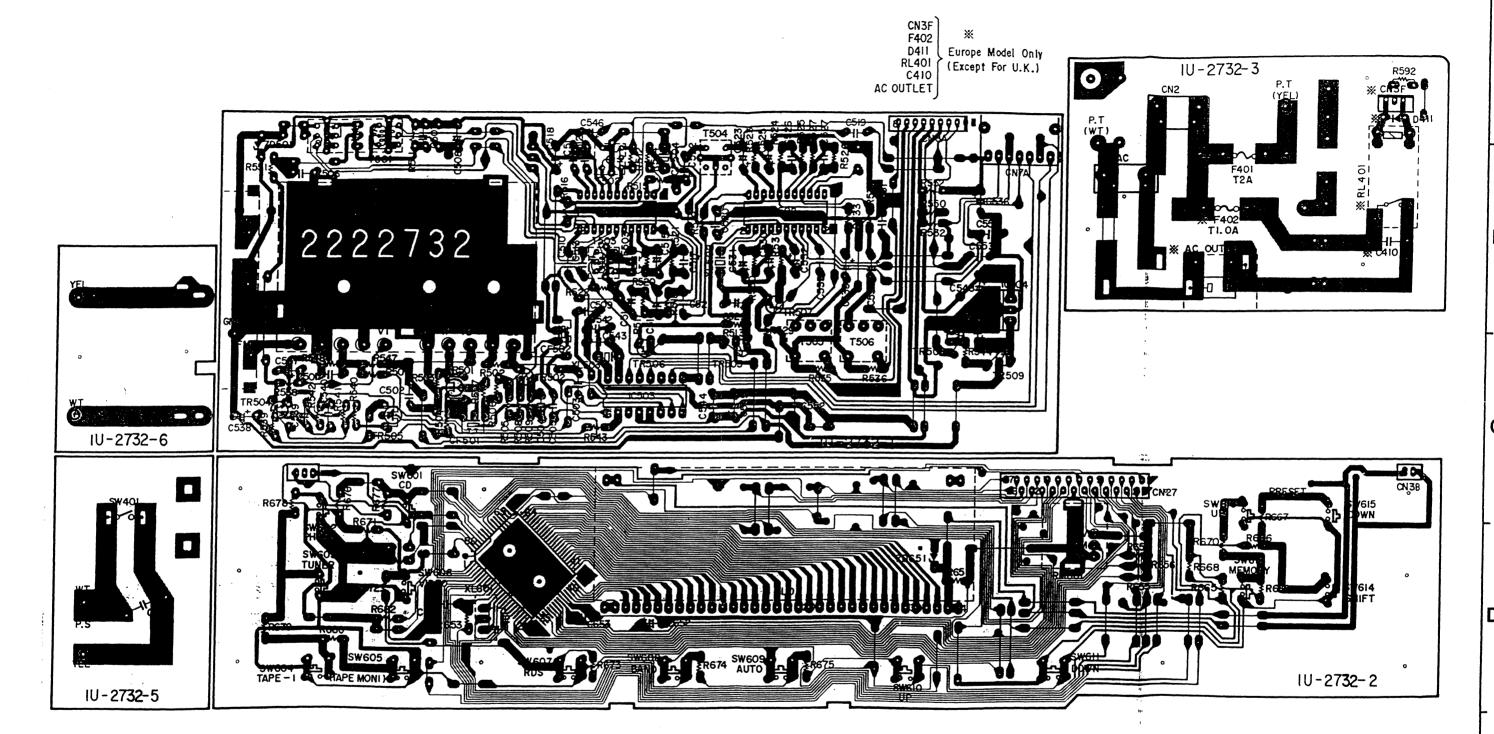
1 2 3 4 5 7 8 1U-2731 MAIN UNIT (DRA-365RD)



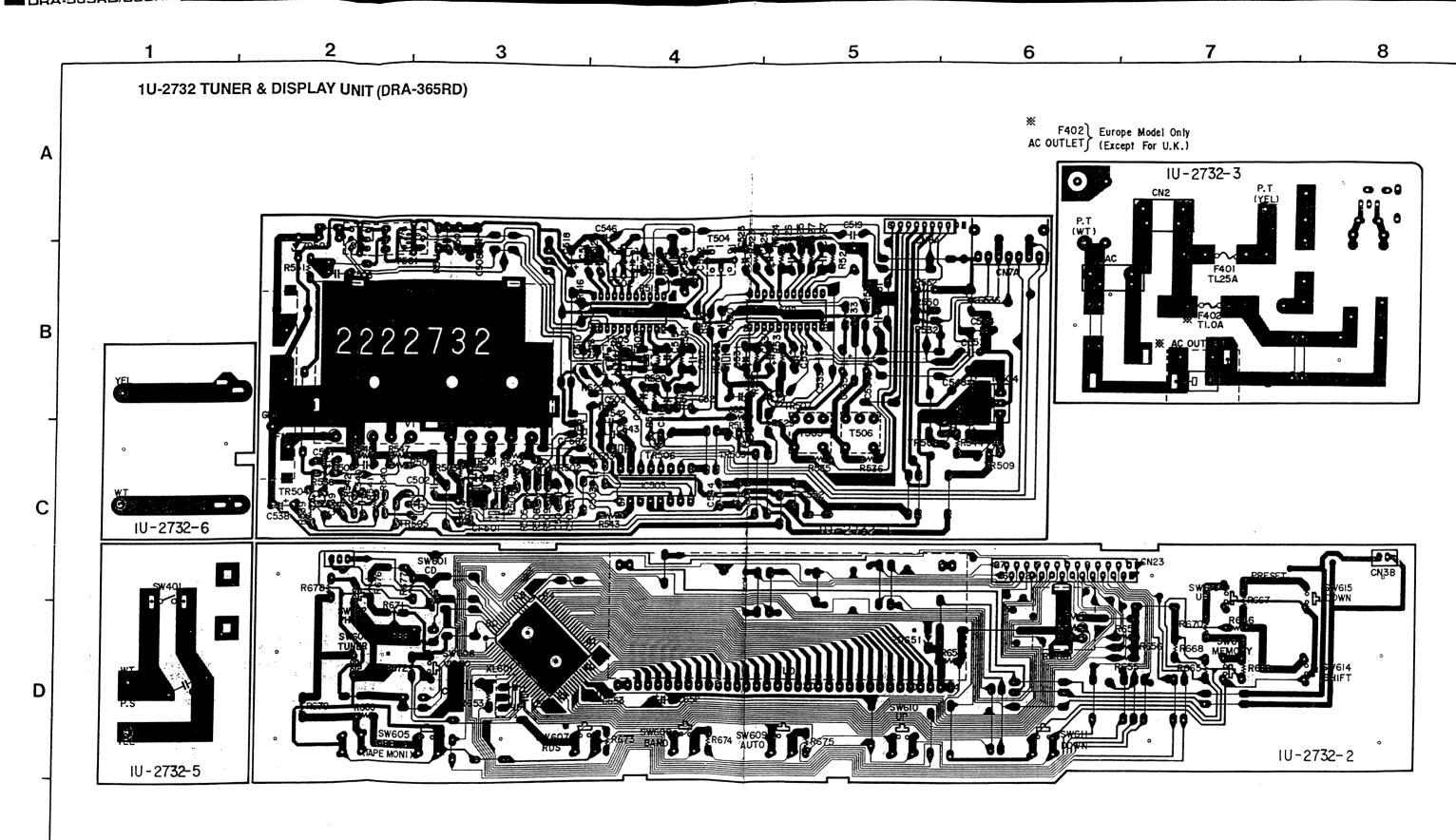
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1U-2732B TUNER & DISPLAY (DRA-565RD)



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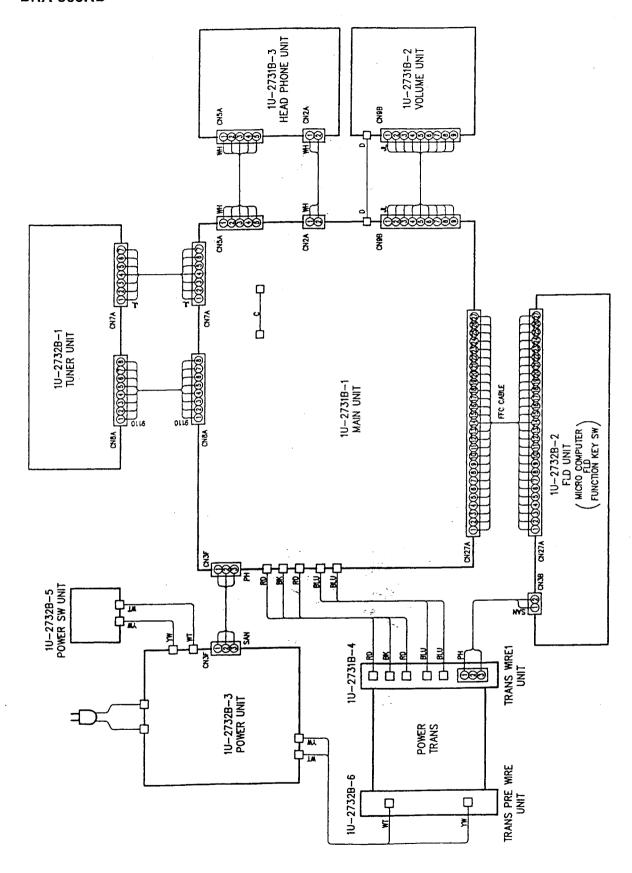
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DRA-565RD



I DRA-565RU/365RU

PARTS LIST EXPLODED VIEW (DRA-565RD)

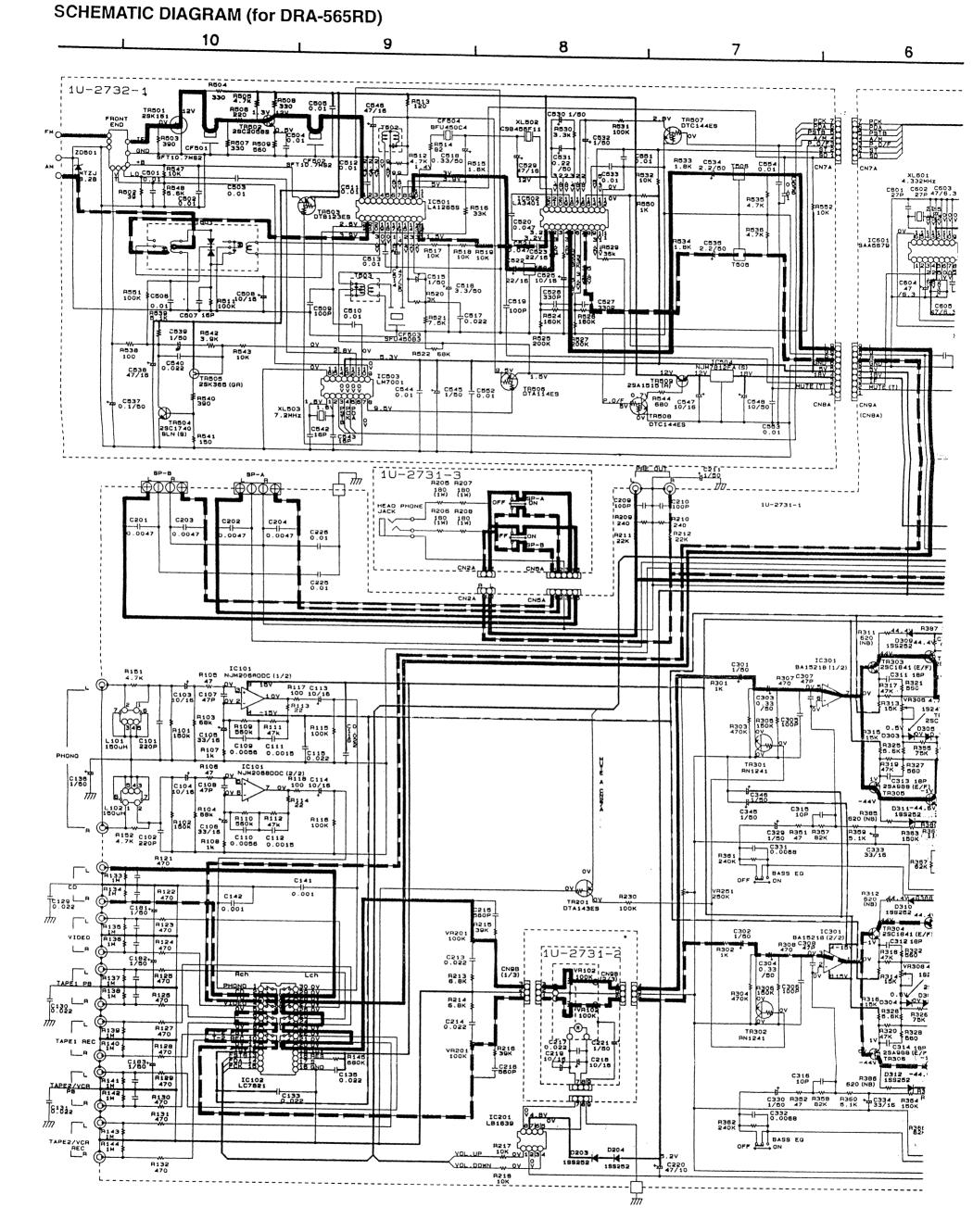
Ref. No.	Part No.	Part Name	Remarks	Q'ty	R	lef. No.	Part No.	Part Name	Remarks	Q'ty
⊛ r1	10-2731 8	MAIN UNIT ASSY		1	16	48	102 0520 129	TOP COVER		1 1
C 1-1	_	MAIN UNIT	1		_(*)	49	461 0769 009	RUBBER SHEET		1 2
1-2	<u> </u>	VOLUME UNIT			•	50	122 0146 015	HIMERON SHEET		1 1
4 1-3	_	HEAD PHONE UNIT	l		j	51	445 0048 003	CORD HOLDER (L=76)		1 2
L1-4	l _	TRANS WIRE 1 UNIT		1	11	52	009 0112 005	Z7P FFC CORD		1
-14	!						1	1		1 .
⊕ 2	1U-2732 B	TUNER/DISPLAY UNIT ASS'Y		١,	11-	53	254 4374 708	ELECTROLYTIC 8200µF/56V		1
i i	10-2132 5	TUNER UNIT		l '		54	412 2955 107	SIDE BRACKET		1
2-1	-		1	ŀ	H					į
2-2	-	DISPLAY UNIT	l	l	1	CREWS				
2-3	_	POWER UNIT		1	ٽــا ا			T		
2-5	_	POWER SW UNIT	ŀ	1	11	101	473 7015 018	TAPING SCREW 3x8 (S)	Black	4
L 2-6	-	TRANS PRE WIRE UNIT		1	11	102	473 7002 018	TAPING SCREW 3x8 (S)		10
	i				Ш	103	473 8007 009	CUP SCREW 3×12		4
5	204 8354 004	HEAD PHONE JACK		1	П	104	473 7501 001	TAPING SCREW 3×10 (P)		3
6	214 9003 005	RELAY	RL471	1	П	105	477 9064 107	FDING SCREW 3×10	Black	12
7	211 0827 003	VARIABLE	VR251	2	П	106	473 7004 016	TAPING SCREW 4x6 (S)		1 4
8	211 0828 002	VARIABLE	VR301	1	11	107	473 7508 017	TAPING SCREW 3x10 (P)	8iack	1 '
9	211 0829 001	VARIABLE	VR303	1	П				DIACK	14
10	211 0830 003	VARIABLE	VR201	i	П	108	477 0263 005	3P SWELLING SCREW		1
11	211 0831 002	VAP-ABLE	VR102		11	109	473 7002 005	TAPING SCREW 3x6 (S)		9
12	204 8466 002	4 NUACK		1	H		ŀ	1	1	1
13	204 8467 001	6P PIN JACK	1	2	H		1	1		
14	212 4778 009	2P PUSH SWITCH		1	P	ACKING.	AND ACCES	SORIES (not included E	YPI ODED VI	aw)
15	212 1074 007	1P PUSH SWITCH	SW601-615	1	 			T	A. LOULD TR	Ψ,
16	212 5604 910	TACT SWITCH		15	●		505 9125 009	POLY COVER	i	1
17	393 4155 002	FLD	FIP14AM7B	1	9		511 2537 007	OPERATING INSTRUCTION		1
18	499 0150 008	REMOTE SENSOR	SBX1610-52	1	П		231 1914 003	AM LOOP ANTENNA		1
19	216 0065 006	FRONT END		1			395 0023 008	FW ANTENNA ASSY	Į	1
	206 1015 029	FUSE IA	F402	The same	l i		399 0242 001	REMOTE CONTROL UNIT	RC-174	1
△ 20		1000	Europe Model On	J.,			505 0131 050	CABINET COVER		1
	2	"TWO ASSAS	(Except for U.K.)	270			504 0125 005	STYRENE PAPER	For AC CORD	1
21	205 0847 004	3P ANTENNA TERMINAL	Jewas W. Carrie				503 1140 002	CUSHION		2
Δ 22	203 2942 007	ACOUTLET	Europe Model On	346773			502 0741 056	PAD	U.K. Model Only	1 -
ω , μ	203 2342 W/	ACCORET					501 1783 010	CARTON CASE	Europe Model	1
		00.0000	(Except for U.K.)	200				i		1
23	214 0176 009	RELAY(GSP-1)	RL401	1	1		501 1783 023	CARTON CASE	U.K. Model	1
			Europe Model		ı]
A NORMAN ENGINE ALLEGED	tower or a rest real real real real real real real real	and the second of the second of	(Except for U.K.)	228/02/07	1					
△ T24		POWER SWITCH(TV-5)	711	\$1 .	1					1
	206 1015 061	FUSE 2A	F401 52 5 8 2 5	31.	1					
26	205 0484 001	8P SPEAKER TERMINAL	Europe Model	1	1					
j	205 0472 013	BP SPEAKER TERMINAL	U.K. Model	1	ı				i	
9 27	461 0539 022	AUBBER SHEET		1	l					
9 28	411 1285 008	MAIN CHASSIS		-1	1					
9 29	105 1136 029	REAR PANEL	Europe Model	1	l					1
e i	105 1136 032	REAR PANEL	U.K. Model	,	1	1				
∌ 30	104 0194 108	FOOTASSY		4	ĺ				i	1 1
31	417 0498 205	POWER RADIATOR	Ì	- 1	1	[
32	273 0389 002	TRANSISTOR	TR321,322	2	1	1				
-		2SC3855(O/P/Y)(Z)		-	1	1	į			
33	271 0240 006	TRANSISTOR	TR323,324	2	l		i			1
- 1		2SA1491(O/P/Y)(Z)		-	1		J	İ		į l
34	415 0234 007	INSULATING SHEET		4	ł	- 1	ł	j		
35	412 3767 006	P.W.B. BRACKET		;	l	ŀ			1	1 1
· 35	CONTRACTOR OF STREET,	and the second s		- 1	ı	1	Į			, 1
	206 2091 000	AC CORD WITH CONNECTOR	Europe Model		1	1			İ	ı I
	206 2109 002	AC CORD WITH CONNECTOR	U.IC Model		ı	ŀ	1			
	445 0056 008	CORD BUSH	- 1 I		l					i I
	233 6116 006	POWER TRANS		*1	ľ	- 1		ļ	1	, I
	146 1495 127	INNER PANEL	ļ	1	1	- 1		ì	1	
	143 0880 006	WINDOW	1	1	1	ı	1		1	
	113 1679 008	BUTTON(4KEY)	1	2	l		i	ļ	!	. 1
42		DUTTOWAYCO	i	1	ſ		I	1	1	. 1
43	113 1680 107	BUTTON(7KEY)						i i	4	: 1
1	113 1680 107 113 1558 006	PUSH BUTTON(KAKU)	1	3	ı		Į.	1	i	
- 1				3	l				1	
44	113 1558 006	PUSH BUTTON(KAKU) FRONT PANEL								
44 45	113 1558 006 144 2370 119 112 0647 009	PUSH BUTTON(KAKU) FRONT PANEL VOLUME KNOB		1						
44 45 46	113 1558 006 144 2370 119	PUSH BUTTON(KAKU) FRONT PANEL		;						

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PARTS LIST EXPLODED VIEW (DRA-365RD)

Ref. No.	Part No.	Part Name	Remarks	Q'ty	1	Ref. No.	Part No.	Part Name	Remarks	Q'ty
● □1	10-2731	MAIN UNIT ASS'Y		1	4 1-	€ 50	122 0146 015	HIMERON SHEET	1	1
F 1-1	13-2/31	MAIN UNIT		1 '	11	● 51	445 0048 003	CORD HOLDER (L=76)		1
1-2	-	VOLUME UNIT			Ш	52	009 0112 005	27P FFC CORD	1	1
1 1-3	-	HEAD PHONE UNIT			Н	€ 53	254 4355 002	ELECTROLYTIC 6800µF/50V	1	2
L14	-	TRANS WIRE 1 UNIT	1	1	П	⊕ 54	412 2955 107	SIDE BRACKET		1
l			1		П					1
● 2	10-2732	TUNER/DISPLAY UNIT ASS'Y	İ	1	l٢	SCREWS	1			
2-1	-	TUNER UNIT DISPLAY UNIT		1	lŀ				Black	1
23	_	POWER UNIT		l	Ш	101 102	473 7015 018 473 7002 018	TAPING SCREW 3×8 (S) TAPING SCREW 3×8 (S)	Black	10
2-5	_	POWER SW UNIT	ŀ		Ш	102	473 8007 009	CUP SCREW 3×12		4
L 2-5	-	TRANS PRE WIRE UNIT	ĺ		Ш	104	473 7501 001	TAPING SCREW 3x10 (P)	l	2
	İ		1		Ш	105	477 0064 107	FIXING SCREW 3×10	Black	10
5	204 8354 004	HEAD PHONE JACK	l	1 1	н	106	473 7004 016	TAPING SCREW 4×6 (S)	l	4
6 7	214 9003 005	VARIABLE Var. Loud.	RL471 VR251	1 2	Ш	107	473 7508 017	TAPING SCREW 3x10 (P)	Black	14
l á	211 0827 003	VARIABLE Bass	VR301	1	Ш	108	477 0263 005	3P SWELLING SCREW	l	4
9	211 0829 001	VARIABLE Treble	VR303	;	Н	109	473 7002 006	TAPING SCREW 3>6 (S)		9
10	211 0830 003	VARIABLE Balance	VR201	1 1	IL				1	
11	211 0831 002	VARIABLE VOLUME	VR102	1	ı٢	PACKING A	AND ACCES	SORIES (not included E	XPLODED vie	w)
12	204 8466 002	4P PIN JACK		1	Įŀ.		505 9125 009	POLY COVER	 	1
13	204 8467 001	6P PIN JACK		2	ш		511 2637 007	OPERATING INSTRUCTION		1
14	212 4778 009	2P PUSH SWITCH		1	П	-	231 1914 003	AM LOOP ANTENNA	1	1
15 16	212 5604 910	TACT SWITCH		1 14	П		395 0023 008	FM ANTENNA ASS'Y	1	1
17	393 4155 002	RD RD	FIP14AM7R	ï	Ш		399 0242 001	REMOTE CONTROL UNIT	RC-174	1
18	499 0150 008	REMOTE SENSOR	SBX1610-52	1	11	€	505 0131 050	CABINET COVER		1
19	216 0065 006	FRONT END		1	11	Ð	504 0125 005	STYRENE PAPER	For AC CORD	[1]
∆"∷20	206 1015 029 1	FISE IA L	F402	1		•	503 0939 007	CUSHION 5.54		2
		1995 - W. 1750 1894 - W. 1750	Europe Model Only		11	•	502 0741 056	PAD	U.K. Model Only	1
21	ATPORTUNE OF THE PROPERTY OF THE PARTY OF TH		(Except for U.K.)		11	E' B)	501 1782 011 501 1782 024	CARTON CASE CARTON CASE	Europe Model U.K. Model	1
Δ (225)	205 0847 004 203 8942 007	3P ANTENNA TERMINAL AC OUTLET	Europe Model Only		Ι,	-	50. 1782 024	CANTON CASE	U.K. MODE	! '
	200 30-2 (6)	ACCULATION OF THE PROPERTY OF	(Except for U.K.)							
23	_	_		1	1					
Δ 24	212 1030 009	POWER SWITCH(TV-5)		4	ı	- 1				
Δ≟2s .	206 1015 016	FUSE 125A	F401	33	ı	i				
26	205 0484 001	8P SPEAKER TERMINAL	Europe Model	1 [ı					
⊕ 27	205 0472 013	8P SPEAKER TERMINAL	U.K. Model	1	ı	-	1			
27≥ 28	461 0539 022 411 1285 008	RUBBER SHEET MAIN CHASSIS		1	ı	1	1			
9 29	105 1135 020	REAR PANEL	Europe Model	-	ı		1			
•	105 1136 033	REAR PANEL	U.K. Model	,	L	i	1			
⊕ 30	104 0194 108	FOOT ASS'Y	USC MODES	4	ı]	[ł
9 31	417 0498 218	POWER RADIATOR		i	1	l				
32	273 0386 005	1	TR321,322	2	1					
		2SC3854(O/PYY)(Z)	ĺ	2	1		ļ			
33	271 0237 006	TRANSISTOR	TR323,324	2						J
_		2SA1490(O/P/Y)(Z)		2	ı		ĺ			- 1
9 34	415 0234 007	INSULATING SHEET	i	4	1				į	- 1
€ 35 ΔΔ 136	412 3767 006	P.W.B. BRACKET	ening a service of	2	1	-				ŀ
Δ .	206 2091 (000 ¹ 206 2109 002 ²	AC CORD WITH CONNECTOR 5		1	1			1		- 1
Δ 37	445 0056 008	COUD BRIGH			1			ì		- 1
	233 6115 007	POWER TRANS	177		ŀ					ľ
€ 39	145 1493 129	INNER PANEL		1	1				ı	- 1
	143 0880 006	WINDOW	ļ	1	1	1	Ì			İ
	113 1679 008	BUTTON(4KEY)		2	Į	-			i	- [
	113 1680 110	BUTTON(6KEY)	1	1	ĺ		1		1	
43	-		-	3	ı	1			İ	- 1
	144 2369 010	FRONT PANEL	1	1	1	-	1		1	
	112 0647 009 112 0739 001	VOLUME KNOB KNOB(MARU)		1	1	1			1	j
	113 9213 000	POWER BUTTON ASS'Y		;	ı	l			İ	i
	102 0426 223	TOP COVER		- 1	l	-				J
	461 0769 009	RUBBER SHEET	1	2	1		1	j		J
	1		\		L		1		1	

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WARNING:

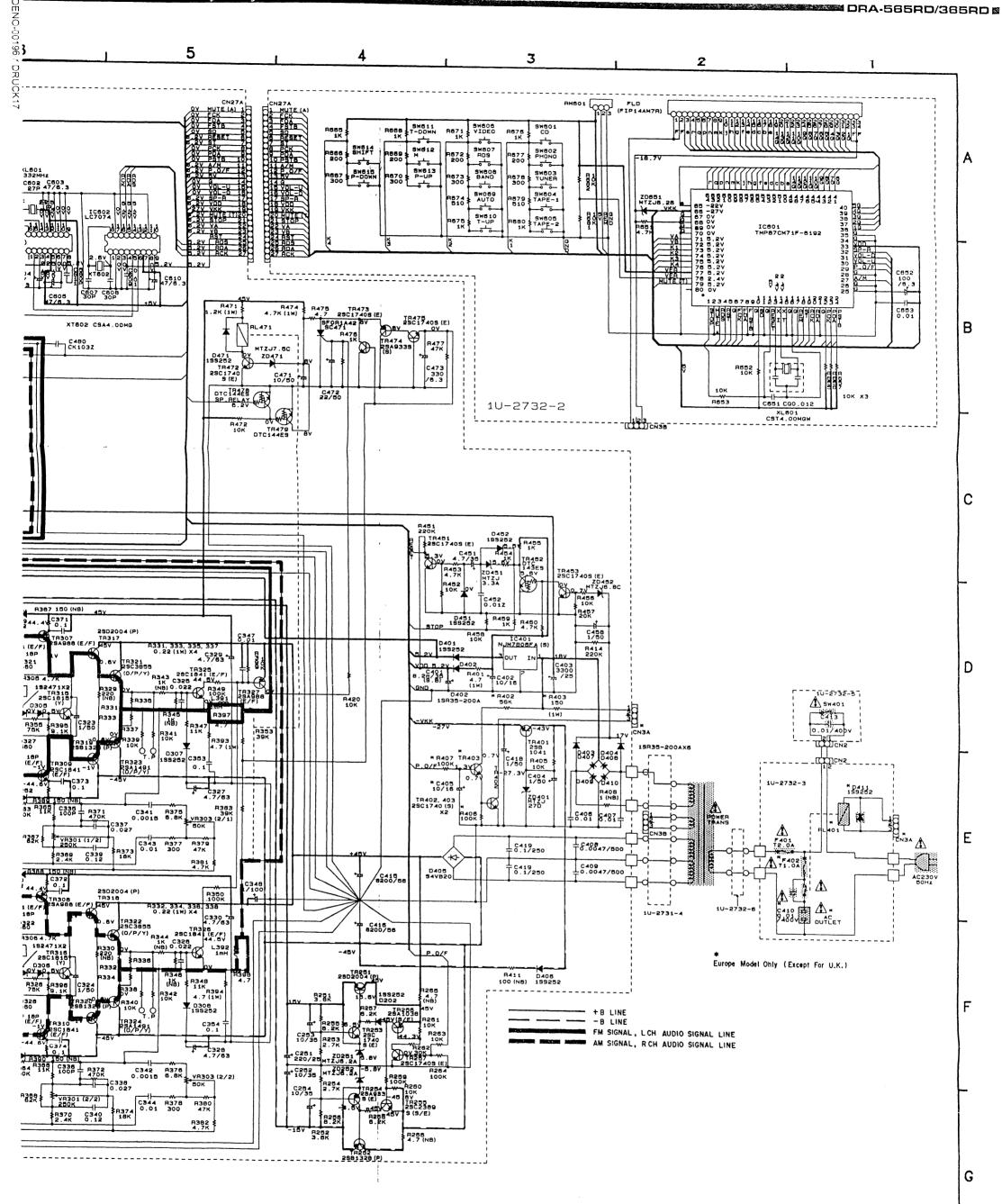
Parts marked with this symbol \triangle was have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

CAUTION:

Before returning the unit to the customer, make sure you make either (leakage current exceeds 0.5 milliamps, or if the resistance from chassi WARNING:

DO NOT return the unit to the customer until the problem is located an NOTES:

Circuit and parts are subject to change without prior notice.

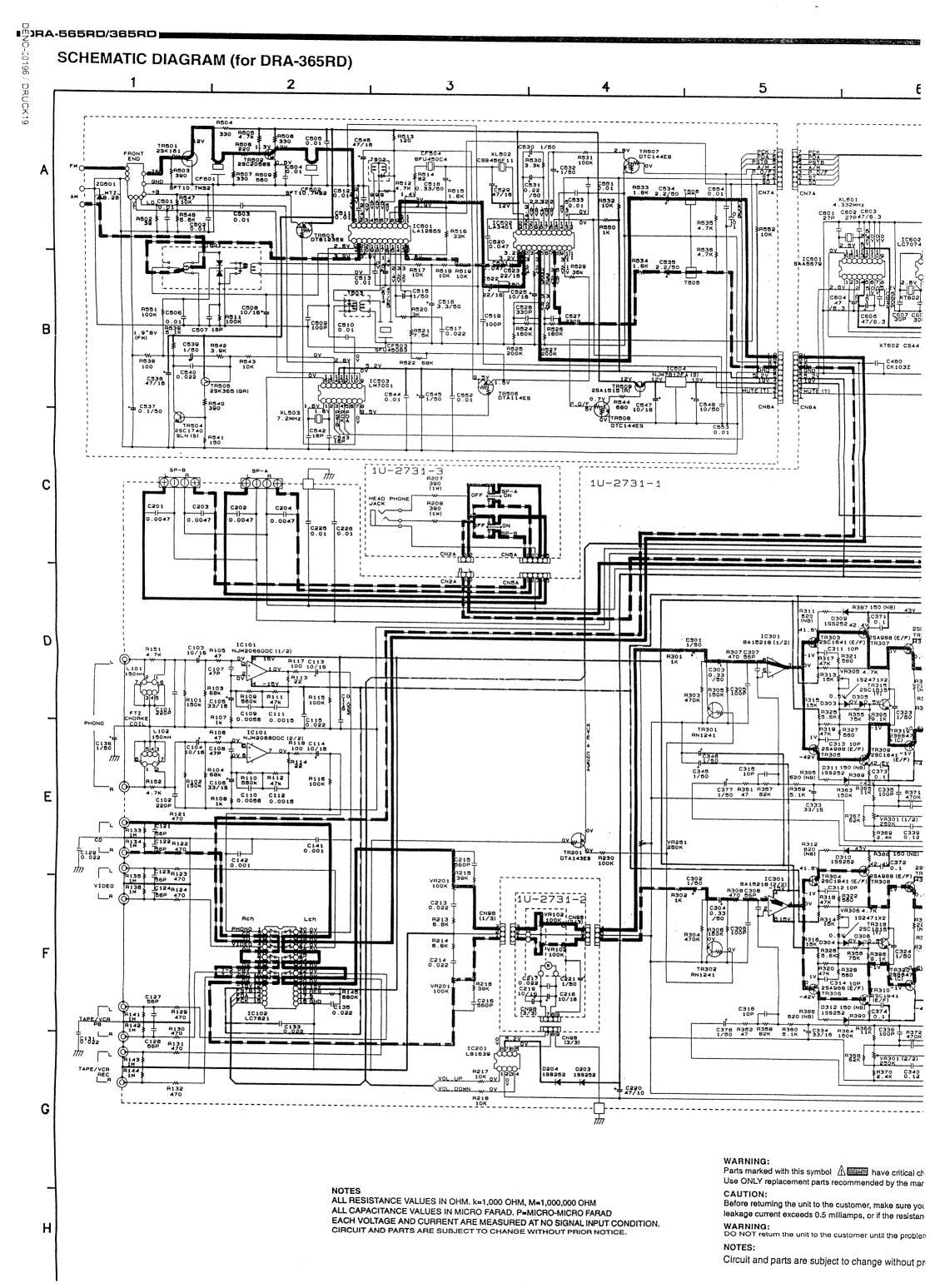


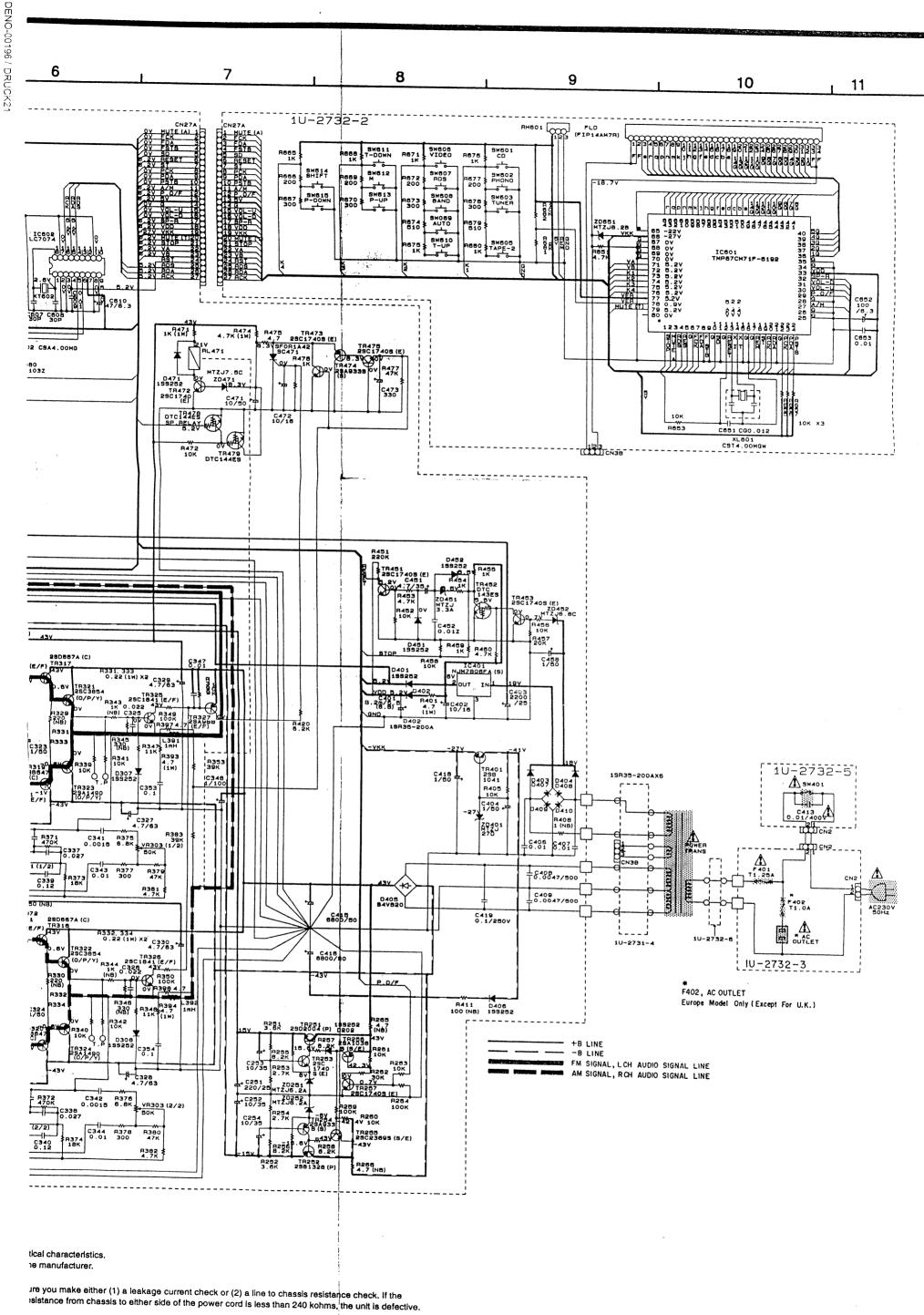
er (1) a leakage current check or (2) a line to chassis resistance check. If the ssis to either side of the power cord is less than 240 kohms, the unit is defective.

and corrected

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM, M=1,000,000 OHM ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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oroblem is located and corrected.